

# Converting Colors

XYZ(65.4122, 85.5151, 71.6426)

Have a look what the booklet for  
XYZ(65.4122, 85.5151, 71.6426)  
contains.

<b>XYZ(65.4910, 85.5599, 71.4555)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(65.4910, 85.5599,  
71.4555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FFCE
RGB	179, 255, 206
RGB Percent	70%, 100%, 81%
CMY	0.2980, 0.0000, 0.1921
CMYK	0.30, 0.00, 0.19, 0.00
HSL	141°, 100%, 85%
HSV	141°, 30%, 100%
XYZ	65.4910, 85.5599, 71.4555
YIQ	226.6900, -29.5670, -31.3510

# Conversions

## Conversions Part 2

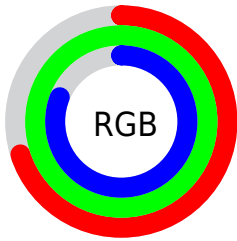
Format	Color
<a href="#">RYB</a>	<a href="#">179, 235, 255</a>
Decimal	<a href="#">11796430</a>
CIELab	<a href="#">94.12, -33.05, 16.07</a>
CIELCh	<a href="#">94, 36.748, 154.074</a>
Yxy	<a href="#">85.5599, 0.2943, 0.3845</a>
Android (android.graphics.Color)	<a href="#">4289986510 (0xFFB3FFCE)</a>
YUV	<a href="#">226.6900, -10.2002, -41.8241</a>
Hunter-Lab	<a href="#">92.4986, -35.4907, 18.9473</a>

# Details

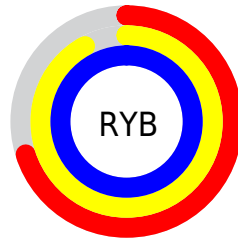
The XYZ color **65.4910, 85.5599, 71.4555** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.3641, 59.1025, 81.0454**, and the grayscale version is **72.8753, 76.6705, 83.4942**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.1738, 46.9403, 36.9650** is the 20% darker color. If you saturate the color by 10%, you get **58.2383, 82.0398, 61.2301**, and if you desaturate by 10%, it is **74.0439, 89.7261, 82.8351**.

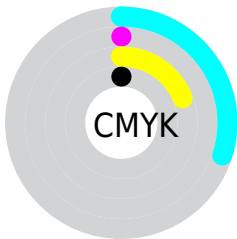
# Distribution



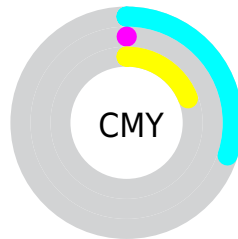
- Red (70%)
- Green (100%)
- Blue (81%)



- Red (70%)
- Yellow (92%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4910, 85.5599, 71.4555 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.4910, 85.5599, 71.4555 by changing the saturation by 10% instead.





 65.4910, 85.5599,  
71.4555

 65.4910, 85.5599,  
71.4555


434.0717,  
513.4789, 484.5707

 48.1255, 64.3041,  
52.2299


 111.8173,  
141.1552, 122.9826

 34.1379, 46.8970,  
36.8048


141.5087,  
176.2635, 156.1211

 23.1630, 32.9543,  
24.7618


176.0396,  
216.7580, 194.7344

 14.8353, 22.0914,  
15.6823

215.7751,  
263.0233, 239.2410

 8.7894, 13.9241,  
9.1477

261.0808,  
315.4436, 290.0593

 4.6601, 8.0679,  
4.7395

312.3218,

 2.0819, 4.1384,

374.4034, 347.6080

2.0392

369.8637,  
440.2870, 412.3056

■ 0.6794, 1.7513,  
0.5792

■ 0.0000, 0.4565,  
0.0000

■ 65.4910, 85.5599,  
71.4555

■ 65.4910, 85.5599,  
71.4555

■ 58.2383, 82.0398,  
61.2301

■ 74.0439, 89.7261,  
82.8351

■ 52.2170, 79.1312,  
52.1183

■ 83.9565, 94.5684,  
95.3995

■ 47.3551, 76.7976,  
44.0830

95.0500, 100.0000,  
108.9000

■ 43.5721, 74.9984,  
37.0835

■ 40.7761, 73.6871,  
31.0763

■ 38.8588, 72.8087,  
26.0146

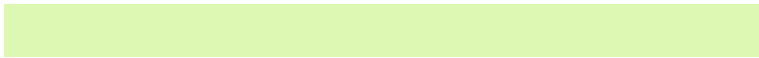
■ 37.6511, 72.2772,  
21.8456

■ 37.6309, 72.2684,  
21.7720

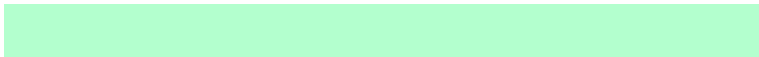
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1927, 85.5599, 55.1544



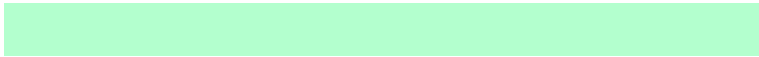
65.4910, 85.5599, 71.4555



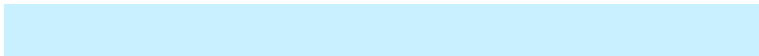
63.9000, 85.5599, 97.0561

# Triad

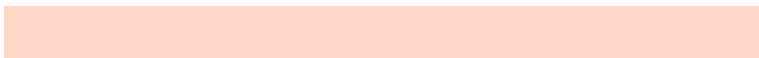
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.4910, 85.5599, 71.4555



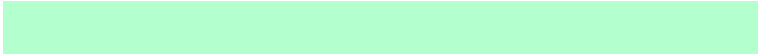
82.6713, 85.5599, 158.2015



97.9913, 85.5599, 66.0222

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.4910, 85.5599, 71.4555



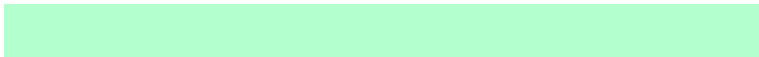
71.3641, 59.1025, 81.0454

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6538, 85.5599, 89.3700



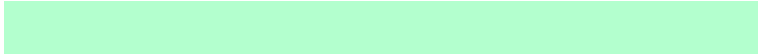
65.4910, 85.5599, 71.4555



92.3695, 85.5599, 145.5317

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.4910, 85.5599, 71.4555



73.3408, 85.5599, 150.7670



99.5186, 85.5599, 118.8673

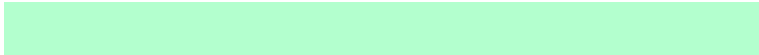


89.8625, 85.5599, 52.4890



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.4910, 85.5599, 71.4555



65.2679, 85.5599, 117.0127



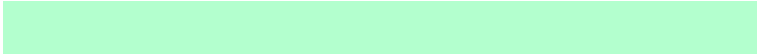
99.5186, 85.5599, 118.8673



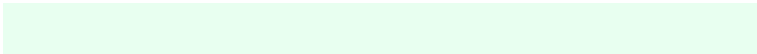
99.8141, 85.5599, 72.7916

# Sweetspot

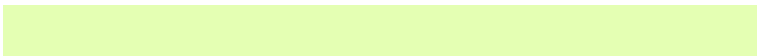
The Sweet Spot groups the original color and five complimentary colors.



65.4917, 85.5603, 71.4569



84.8134, 94.9875, 96.4610



76.0191, 91.3344, 56.2716



17.8227, 20.1694, 20.2362



0.0000, 0.0000, 0.0000

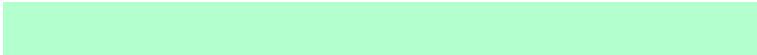


20.3446, 21.4041, 23.3091

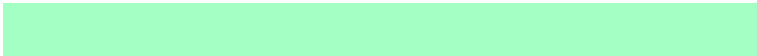


# Same Dimension

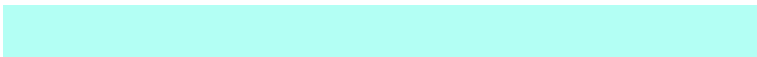
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4917, 85.5603, 71.4569



60.8479, 83.3047, 64.9861



70.6194, 87.6114, 98.4588



18.0381, 20.2748, 20.5037



19.7271, 37.7874, 11.7142



1.9705, 3.6991, 1.4024



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.3641, 59.1025, 81.0454



67.6093, 52.8201, 76.0106



66.6988, 57.2363, 56.4781



18.5026, 18.1844, 21.2639



25.1430, 12.5465, 19.9353

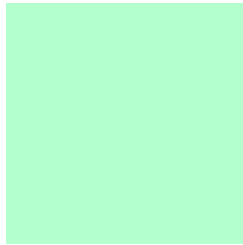


2.5001, 1.2424, 2.2151



# Previews

## White Background



This preview shows how the XYZ color 65.4910, 85.5599, 71.4555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4910, 85.5599, 71.4555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

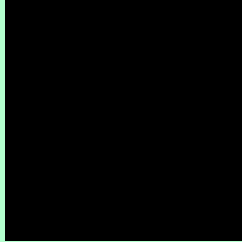
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

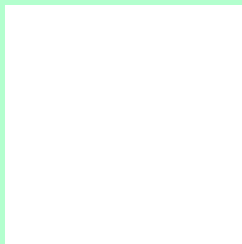
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.4910, 85.5599, 71.4555

## Background



This preview shows how black text looks on a background with the XYZ color 65.4910, 85.5599, 71.4555.



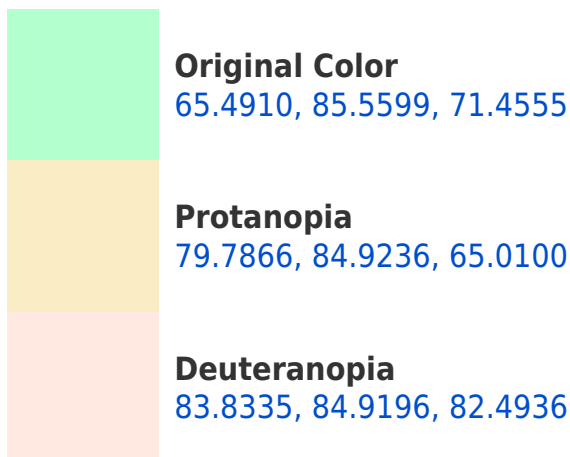
This preview shows how white text looks on a background with the XYZ color 65.4910, 85.5599,

71.4555.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

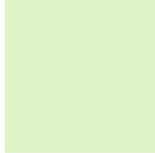
76.9646, 85.1701, 106.9907

# Trichromacy



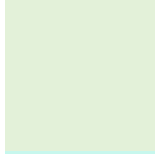
## Original Color

65.4910, 85.5599, 71.4555



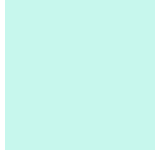
## Protanomaly

73.5165, 84.7188, 67.1212



## Deuteranomaly

75.6582, 84.2512, 77.9201



## Tritanomaly

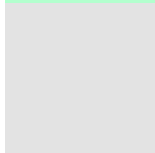
72.1000, 84.7781, 92.6845

# Monochromacy



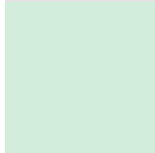
## Original Color

65.4910, 85.5599, 71.4555



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.6487, 79.3845, 78.6697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4910, 85.5599, 71.4555 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(179, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 206)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(179, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4910, 85.5599, 71.4555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 206) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(179, 255, 206) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(179, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4910, 85.5599, 71.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 206) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(179,  
255, 206) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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