

# Converting Colors

XYZ(65.4381, 85.0224, 94.5072)

Have a look what the booklet for  
XYZ(65.4381, 85.0224, 94.5072)  
contains.

<b>XYZ(65.4405, 85.0211, 94.6230)</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(65.4405, 85.0211,  
94.6230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFFEF
RGB	158, 255, 239
RGB Percent	62%, 100%, 94%
CMY	0.3804, 0.0000, 0.0627
CMYK	0.38, 0.00, 0.06, 0.00
HSL	170°, 100%, 81%
HSV	170°, 38%, 100%
XYZ	65.4405, 85.0211, 94.6230
YIQ	224.1730, -52.6760, -25.5400

# Conversions

## Conversions Part 2

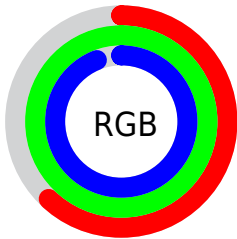
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 211, 255
Decimal	10420207
CIE <sub>Lab</sub>	93.89, -32.16, -1.39
CIE <sub>LCh</sub>	94, 32.194, 182.471
Yxy	85.0211, 0.2670, 0.3469
Android (android.graphics.Color)	4288610287 (0xFF9EFFEF)
<b>YUV</b>	224.1730, 7.3097, -58.0337
Hunter-Lab	92.2069, -34.6781, 3.7012

# Details

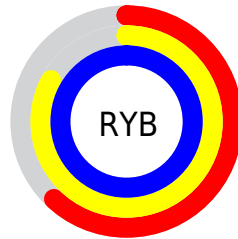
The XYZ color **65.4405, 85.0211, 94.6230** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.1075, 48.7709, 46.2381**, and the grayscale version is **70.9516, 74.6466, 81.2901**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **34.1082, 46.5738, 51.9917** is the 20% darker color. If you saturate the color by 10%, you get **60.3206, 82.4526, 91.1786**, and if you desaturate by 10%, it is **71.6174, 88.1327, 98.1952**.

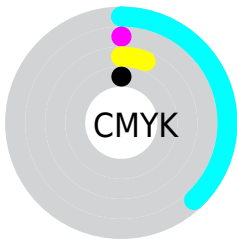
# Distribution



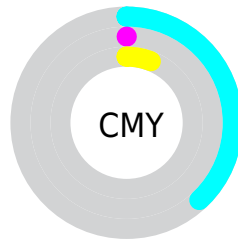
- Red (62%)
- Green (100%)
- Blue (94%)



- Red (62%)
- Yellow (83%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4405, 85.0211, 94.6230 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 65.4405, 85.0211, 94.6230 by changing the saturation by 10% instead.





 65.4405, 85.0211,  
94.6230


 65.4405, 85.0211,  
94.6230


433.8935,  
511.6979, 563.9108

 48.0844, 63.8588,  
71.2261


 111.7451,  
140.4027, 155.7348

 34.1052, 46.5363,  
52.0438


 141.4243,  
175.3907, 194.2867

 23.1377, 32.6693,  
36.6575


175.9419,  
215.7562, 238.7273

 14.8165, 21.8732,  
24.6487

215.6633,  
261.8834, 289.4753

 8.7762, 13.7638,  
15.5989

260.9538,  
314.1568, 346.9491

 4.6514, 7.9565,  
9.0895

312.1787,

 2.0769, 4.0672,

372.9607, 411.5672

4.7020

369.7035,  
438.6796, 483.7483

■ 0.6766, 1.7112,  
2.0178

■ 0.0000, 0.4309,  
0.5662

■ 65.4405, 85.0211,  
94.6230

■ 65.4405, 85.0211,  
94.6230

■ 60.3206, 82.4526,  
91.1786

■ 71.6174, 88.1327,  
98.1952

■ 56.1898, 80.3924,  
87.8540

■ 78.9078, 91.8168,  
101.8942

■ 52.9769, 78.8038,  
84.6468

■ 87.3676, 96.1019,  
105.7243

■ 50.5998, 77.6444,  
81.5527

95.0500, 100.0000,  
108.9000

■ 48.9615, 76.8642,  
78.5666

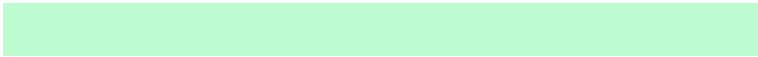
■ 47.9305, 76.3954,  
75.6819

■ 47.7628, 76.3211,  
75.1260

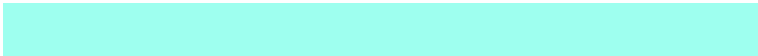
# Harmonies

## Analogous

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



67.0612, 85.0211, 72.4306



65.4405, 85.0211, 94.6230



67.6905, 85.0211, 120.2900

# Triad

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



65.4405, 85.0211, 94.6230



89.9830, 85.0211, 138.3660



88.6676, 85.0211, 56.7154

# Complementary

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



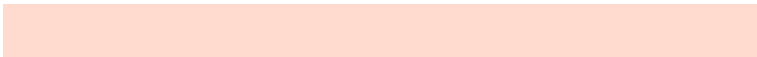
65.4405, 85.0211, 94.6230



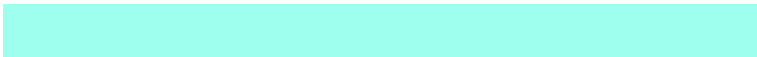
61.1075, 48.7709, 46.2381

# 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.



95.5237, 85.0211, 69.4794



65.4405, 85.0211, 94.6230



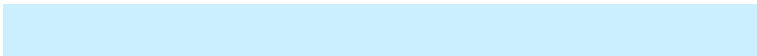
96.3201, 85.0211, 116.1424

# Square

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



65.4405, 85.0211, 94.6230



81.5225, 85.0211, 148.1760



98.4152, 85.0211, 90.5539

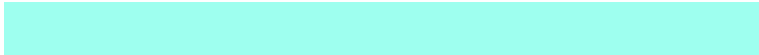


80.1017, 85.0211, 52.9781



# Rectangle

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



65.4405, 85.0211, 94.6230



71.1824, 85.0211, 135.2668



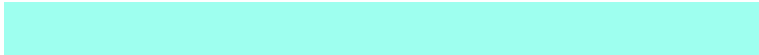
98.4152, 85.0211, 90.5539



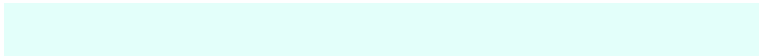
91.2687, 85.0211, 59.9662

# Sweetspot

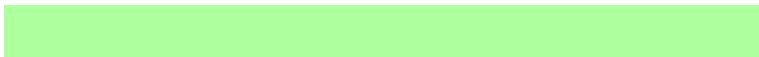
The Sweet Spot groups the original color and five complimentary colors.



65.4415, 85.0215, 94.6245



84.7368, 94.7684, 104.5759



59.4252, 83.0069, 45.2391



17.8870, 20.1576, 22.2719



0.0000, 0.0000, 0.0000

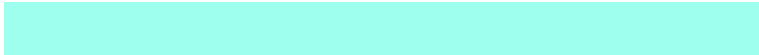


20.3446, 21.4041, 23.3091



# Same Dimension

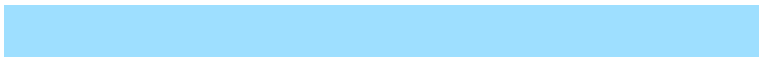
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4415, 85.0215, 94.6245



61.2816, 82.9337, 91.8708



58.4502, 67.0874, 104.4763



18.4186, 20.4270, 22.5073



25.0049, 39.8985, 39.5064



2.4674, 3.8979, 4.0189



# Inverse Universe

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



61.1075, 48.7709, 46.2381



56.3753, 41.7869, 37.0136



65.8981, 60.7012, 40.5925



18.1316, 18.0359, 19.3100



21.8033, 11.2106, 2.3489

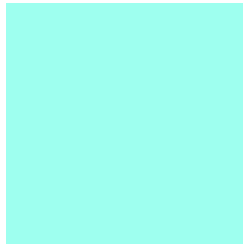


2.1558, 1.1047, 0.4017



# Previews

## White Background



This preview shows how the XYZ color 65.4405, 85.0211, 94.6230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

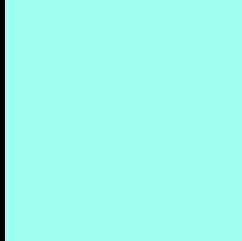
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4405, 85.0211, 94.6230 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

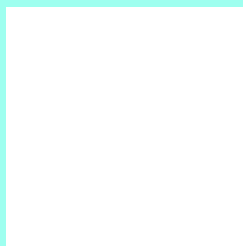
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.4405, 85.0211, 94.6230

## Background



This preview shows how black text looks on a background with the XYZ color 65.4405, 85.0211, 94.6230.



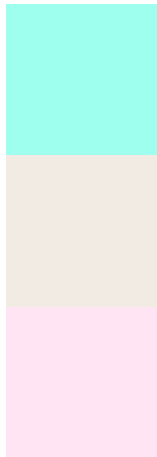
This preview shows how white text looks on a background with the XYZ color 65.4405, 85.0211,



# 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



### Original Color

65.4405, 85.0211, 94.6230

### Protanopia

80.3299, 83.8953, 85.3584

### Deuteranopia

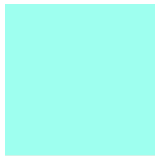
85.5884, 83.8303, 97.2578



## Tritanopia

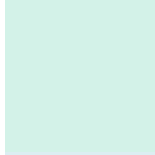
75.0293, 84.6179, 106.9862

# Trichromacy



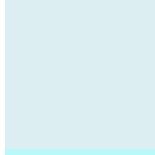
## Original Color

65.4405, 85.0211, 94.6230



## Protanomaly

73.1816, 83.1793, 88.5421



## Deuteranomaly

76.1167, 82.7755, 95.9699



## Tritanomaly

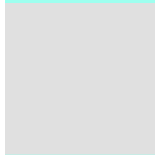
71.1598, 84.5392, 102.1897

# Monochromacy



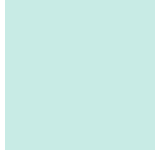
## Original Color

65.4405, 85.0211, 94.6230



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

67.6706, 77.3532, 85.4928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4405, 85.0211, 94.6230 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(158, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 239)  
}
```

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(158, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4405, 85.0211, 94.6230 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(158, 255, 239) }
```



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

```
.border{ border-color:rgb(158, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4405, 85.0211, 94.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 239) }
```

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

```
.background{ background-color: rgb(158,  
255, 239) }
```

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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