

# Converting Colors

XYZ(69.3507, 92.5724, 92.1071)

Have a look what the booklet for  
XYZ(69.3507, 92.5724, 92.1071)  
contains.

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# Color

**XYZ(65.7155, 85.2470,  
90.8327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FFEA
RGB	163, 255, 234
RGB Percent	64%, 100%, 92%
CMY	0.3608, 0.0000, 0.0823
CMYK	0.36, 0.00, 0.08, 0.00
HSL	166°, 100%, 82%
HSV	166°, 36%, 100%
XYZ	65.7155, 85.2470, 90.8327
YIQ	225.0980, -48.0910, -26.0350

# Conversions

## Conversions Part 2

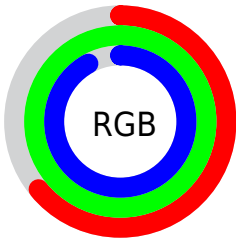
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">163, 215, 255</a>
Decimal	<a href="#">10747882</a>
CIELab	<a href="#">93.99, -31.97, 1.36</a>
CIElCh	<a href="#">94, 31.995, 177.559</a>
Yxy	<a href="#">85.2470, 0.2718, 0.3526</a>
Android (android.graphics.Color)	<a href="#">4288937962</a> ( <a href="#">0xFFA3FFEA</a> )
YUV	<a href="#">225.0980, 4.3887, -54.4599</a>
Hunter-Lab	<a href="#">92.3293, -34.5287, 6.3016</a>

# Details

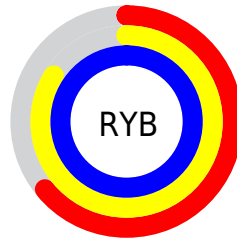
The XYZ color **65.7155, 85.2470, 90.8327** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.9896, 50.9162, 51.8559**, and the grayscale version is **71.6327, 75.3631, 82.0705**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **34.2934, 46.7283, 49.3315** is the 20% darker color. If you saturate the color by 10%, you get **60.1880, 82.4925, 86.2815**, and if you desaturate by 10%, it is **72.3250, 88.5561, 95.5808**.

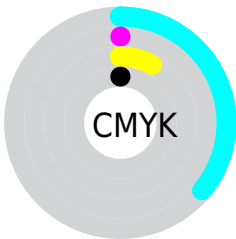
# Distribution



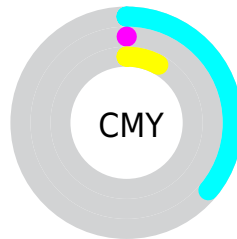
- Red (64%)
- Green (100%)
- Blue (92%)



- Red (64%)
- Yellow (84%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7155, 85.2470, 90.8327 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 65.7155, 85.2470, 90.8327 by changing the saturation by 10% instead.





 65.7155, 85.2470,  
90.8327


 65.7155, 85.2470,  
90.8327


434.8634,  
512.4450, 551.3757

 48.3083, 64.0455,  
68.0939

 112.1379,  
140.7182, 150.4401

 34.2834, 46.6875,  
49.5070


 141.8838,  
175.7567, 188.1458

 23.2753, 32.7887,  
34.6534


176.4734,  
216.1763, 231.6775

 14.9187, 21.9646,  
23.1146

216.2720,  
262.3615, 281.4539

 8.8483, 13.8309,  
14.4720

261.6449,  
314.6965, 337.8933

 4.6987, 8.0032,  
8.3072

312.9576,

 2.1045, 4.0970,

373.5659, 401.4144

4.2016

370.5753,  
439.3539, 472.4357

■ 0.6917, 1.7280,  
1.7366

■ 0.0000, 0.4417,  
0.3856

■ 65.7155, 85.2470,  
90.8327

■ 65.7155, 85.2470,  
90.8327

■ 60.1880, 82.4925,  
86.2815

■ 72.3250, 88.5561,  
95.5808

■ 55.6758, 80.2583,  
81.9184

■ 80.0722, 92.4485,  
100.5255

■ 52.1090, 78.5083,  
77.7403

■ 89.0124, 96.9527,  
105.6721

■ 49.4075, 77.2013,  
73.7419

95.0500, 100.0000,  
108.9000

■ 47.4778, 76.2892,  
69.9176

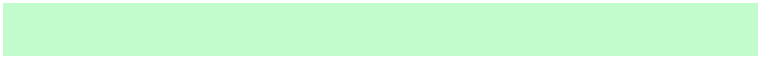
■ 46.2033, 75.7118,  
66.2603

■ 45.8148, 75.5419,  
64.8678

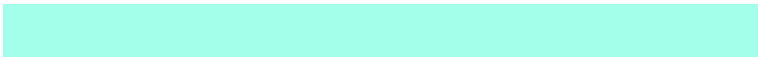
# Harmonies

## Analogous

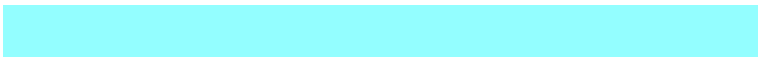
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9539, 85.2470, 69.8295



65.7155, 85.2470, 90.8327



67.3344, 85.2470, 116.2964

# Triad

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



65.7155, 85.2470, 90.8327



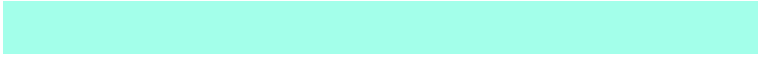
88.8538, 85.2470, 141.0101



90.1470, 85.2470, 58.5480

# Complementary

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



65.7155, 85.2470, 90.8327



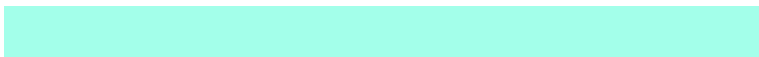
62.9896, 50.9162, 51.8559

# 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.



96.4552, 85.2470, 72.7360



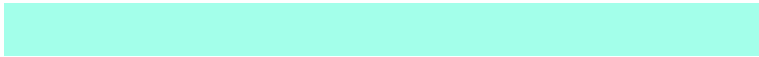
65.7155, 85.2470, 90.8327



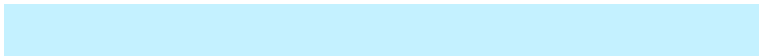
95.6725, 85.2470, 120.3714

# Square

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



65.7155, 85.2470, 90.8327



80.3280, 85.2470, 148.1143



98.5441, 85.2470, 94.8350

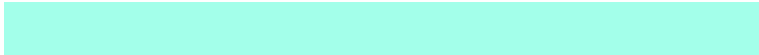


81.7255, 85.2470, 53.3489



# Rectangle

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



65.7155, 85.2470, 90.8327



70.4510, 85.2470, 131.9858



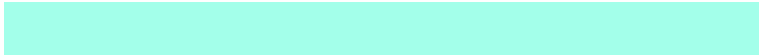
98.5441, 85.2470, 94.8350



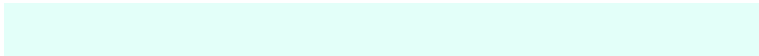
92.6067, 85.2470, 62.2867

# Sweetspot

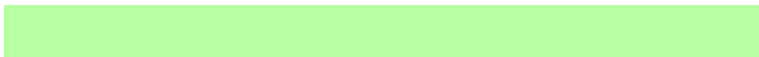
The Sweet Spot groups the original color and five complimentary colors.



65.7164, 85.2475, 90.8342



84.4590, 94.6572, 103.1131



62.2508, 84.4128, 47.6641



17.8204, 20.1309, 21.9214



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

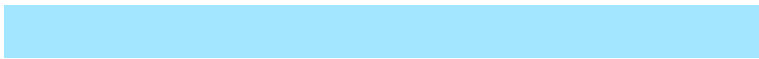
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7164, 85.2475, 90.8342



61.7779, 83.2832, 87.6620



61.5820, 71.8610, 105.2326



18.3670, 20.4063, 22.2357



23.9989, 39.4961, 34.2090



2.3779, 3.8621, 3.5480



# Inverse Universe

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



62.9896, 50.9162, 51.8559



58.7104, 44.5345, 43.7193



65.7353, 59.6728, 42.7051



18.1792, 18.0550, 19.5607



21.9969, 11.2881, 3.3682

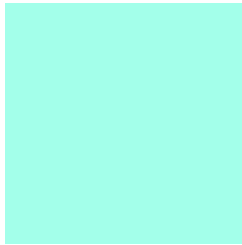


2.1812, 1.1148, 0.5356



# Previews

## White Background



This preview shows how the XYZ color 65.7155, 85.2470, 90.8327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

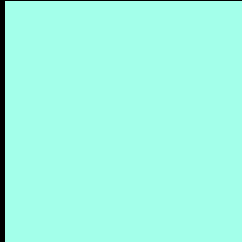
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7155, 85.2470, 90.8327 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

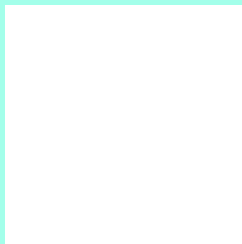
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.7155, 85.2470, 90.8327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.7155, 85.2470, 90.8327.



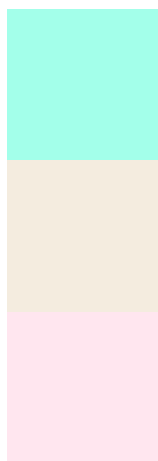
This preview shows how white text looks on a background with the XYZ color 65.7155, 85.2470,

90.8327.

# 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

65.7155, 85.2470, 90.8327

### Protanopia

80.6230, 84.5517, 81.8829

### Deuteranopia

85.1168, 84.0856, 93.4054



## Tritanopia

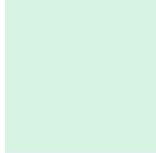
75.5775, 84.9005, 107.0118

# Trichromacy



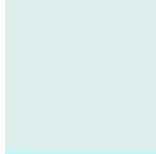
## Original Color

65.7155, 85.2470, 90.8327



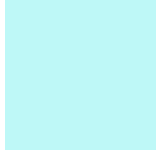
## Protanomaly

73.9401, 84.0943, 85.0078



## Deuteranomaly

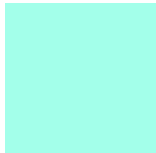
76.2768, 83.3770, 92.1939



## Tritanomaly

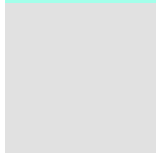
71.5911, 84.7974, 100.5900

# Monochromacy



## Original Color

65.7155, 85.2470, 90.8327



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.3562, 78.1489, 84.8803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7155, 85.2470, 90.8327 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(163, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 234)  
}
```

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(163, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7155, 85.2470, 90.8327 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(163, 255, 234) }
```



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

```
.border{ border-color:rgb(163, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(163, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7155, 85.2470, 90.8327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 234) }
```

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

```
.background{ background-color: rgb(163,  
255, 234) }
```

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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