

# Converting Colors

XYZ(65.6622, 79.2531, 95.6385)

Have a look what the booklet for  
XYZ(65.6622, 79.2531, 95.6385)  
contains.

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# Color

**XYZ(65.6836, 79.1452,  
95.8191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0F2F2
RGB	176, 242, 242
RGB Percent	69%, 95%, 95%
CMY	0.3098, 0.0510, 0.0510
CMYK	0.27, 0.00, 0.00, 0.05
HSL	180°, 72%, 82%
HSV	180°, 27%, 95%
XYZ	65.6836, 79.1452, 95.8191
YIQ	222.2660, -39.3360, -13.9920

# Conversions

## Conversions Part 2

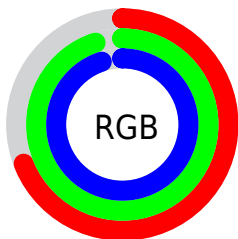
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 209, 242
Decimal	11596530
CIE <sub>Lab</sub>	91.30, -20.44, -6.66
CIE <sub>LCh</sub>	91, 21.502, 198.039
Y <sub>xy</sub>	79.1452, 0.2729, 0.3289
Android (android.graphics.Color)	4289786610 (0xFFB0F2F2)
YUV	222.2660, 9.7289, -40.5753
Hunter-Lab	88.9636, -23.8962, -1.5844

# Details

The XYZ color **65.6836, 79.1452, 95.8191** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.9825, 53.0646, 48.1583**, and the grayscale version is **69.5742, 73.1975, 79.7121**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.3070, 42.7279, 52.8935** is the 20% darker color. If you saturate the color by 10%, you get **60.6925, 76.5742, 95.5864**, and if you desaturate by 10%, it is **71.6547, 82.2254, 96.1011**.

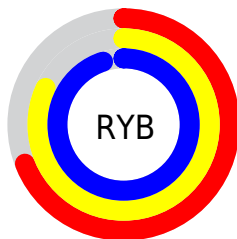
# Distribution



Red (69%)

Green (95%)

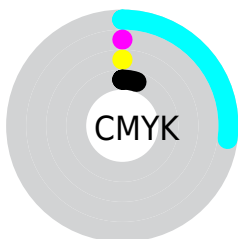
Blue (95%)



Red (69%)

Yellow (82%)

Blue (95%)

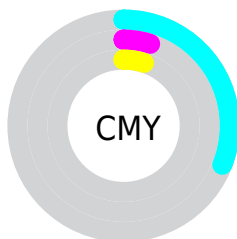


Cyan (27%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6836, 79.1452, 95.8191 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 65.6836, 79.1452, 95.8191 by changing the saturation by 10% instead.



65.6836, 79.1452,  
95.8191

65.6836, 79.1452,  
95.8191

434.7510,  
492.0474, 567.8351

48.2824, 59.0152,  
72.2163

112.0923,  
132.1633, 157.4010

34.2627, 42.6254,  
52.8474

141.8306,  
165.8201, 196.2172

23.2593, 29.5913,  
37.2941

176.4118,  
204.7547, 240.9416

14.9069, 19.5286,  
25.1377

216.2014,  
249.3514, 291.9927

8.8399, 12.0528,  
15.9597

261.5648,  
299.9946, 349.7890

4.6932, 6.7797,  
9.3416

312.8673,

2.1013, 3.3247,

357.0688, 414.7492

4.8648

370.4742,  
420.9582, 487.2917

■ 0.6899, 1.3035,  
2.1108

■ 0.0000, 0.1439,  
0.6222

■ 65.6836, 79.1452,  
95.8191

■ 65.6836, 79.1452,  
95.8191

■ 60.6925, 76.5742,  
95.5864

■ 71.6547, 82.2254,  
96.1011

■ 56.6228, 74.4762,  
95.3951

■ 78.6469, 85.8300,  
96.4292

■ 53.4200, 72.8251,  
95.2443

■ 86.7073, 89.9852,  
96.8073

■ 51.0213, 71.5886,  
95.1312

■ 89.0215, 91.1782,  
96.9164

■ 49.3556, 70.7299,  
95.0524

■ 89.0216, 91.1783,  
96.9173

■ 48.3389, 70.2058,  
95.0040

■ 89.0218, 91.1784,  
96.9181

■ 47.8623, 69.9601,  
94.9808

■ 89.0219, 91.1784,  
96.9190

■ 47.7796, 69.9175,  
94.9767

■ 89.0221, 91.1785,  
96.9199

■ 89.0223, 91.1786,  
96.9207

# Harmonies

## Analogous

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



65.4209, 79.1452, 80.0971



65.6836, 79.1452, 95.8191



68.4259, 79.1452, 110.5056

# Triad

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



65.6836, 79.1452, 95.8191



83.2996, 79.1452, 107.8680



77.4206, 79.1452, 59.9961

# Complementary

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



65.6836, 79.1452, 95.8191



59.9825, 53.0646, 48.1583

# 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.



82.4605, 79.1452, 65.7078



65.6836, 79.1452, 95.8191



85.9630, 79.1452, 92.5542

# Square

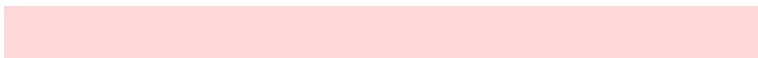
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.6836, 79.1452, 95.8191



78.5210, 79.1452, 118.0200



85.6487, 79.1452, 77.2020



72.0228, 79.1452, 60.6462

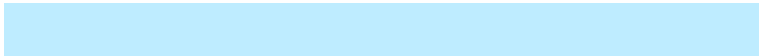


# Rectangle

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



65.6836, 79.1452, 95.8191



71.3693, 79.1452, 117.1547



85.6487, 79.1452, 77.2020



79.2174, 79.1452, 61.2044

# Sweetspot

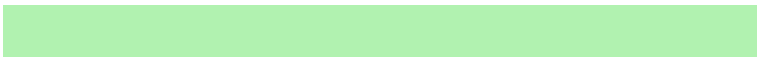
The Sweet Spot groups the original color and five complimentary colors.



65.6859, 79.1484, 95.8209



87.9389, 96.3341, 108.5664



57.7452, 76.0009, 52.7019



18.5549, 20.4815, 23.2251



0.0000, 0.0000, 0.0000

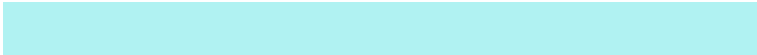


20.3446, 21.4041, 23.3091



# Same Dimension

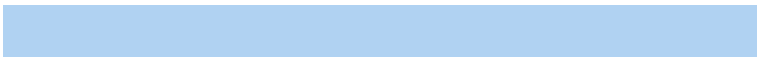
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.6859, 79.1484, 95.8209



70.5713, 87.3808, 107.7512



57.0051, 61.7859, 92.9295



16.2474, 17.9290, 20.3257



25.6665, 37.5586, 51.0201



2.1352, 3.1245, 4.2444



# Inverse Universe

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



59.9825, 53.0646, 48.1583



63.1113, 53.2639, 45.4097



66.9887, 67.0776, 50.4923



15.7729, 15.7589, 16.3603



19.6715, 10.1410, 0.9208

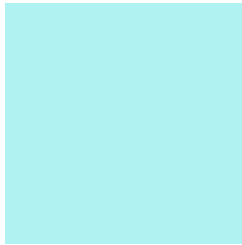


1.6365, 0.8436, 0.0767



# Previews

## White Background



This preview shows how the XYZ color 65.6836, 79.1452, 95.8191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

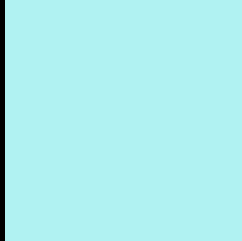
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6836, 79.1452, 95.8191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

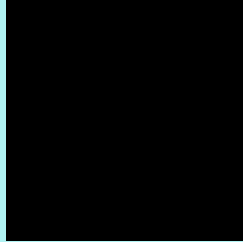
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.6836, 79.1452, 95.8191

## Background



This preview shows how black text looks on a background with the XYZ color 65.6836, 79.1452, 95.8191.



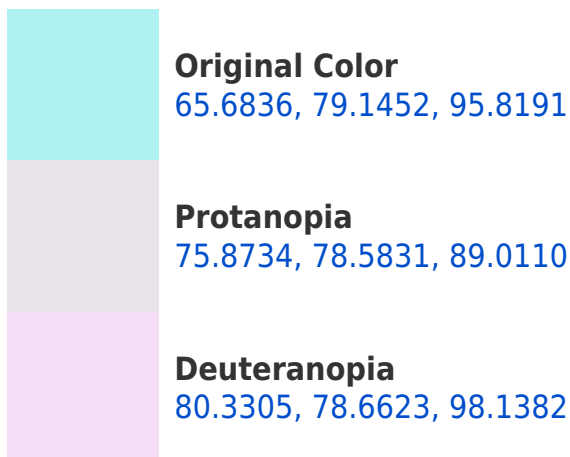
This preview shows how white text looks on a background with the XYZ color 65.6836, 79.1452,

95.8191.

# 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

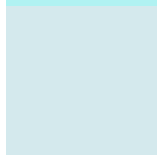
69.1181, 78.9339, 106.2006

# Trichromacy



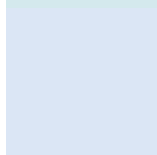
## Original Color

65.6836, 79.1452, 95.8191



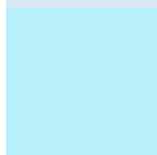
## Protanomaly

71.5764, 78.3893, 91.4789



## Deuteranomaly

73.9917, 78.2463, 97.5895



## Tritanomaly

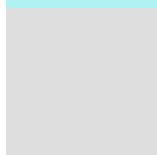
67.6503, 78.7024, 102.0680

# Monochromacy



## Original Color

65.6836, 79.1452, 95.8191



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

67.3390, 74.6749, 84.9933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6836, 79.1452, 95.8191 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(176, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(176, 242, 242)  
}
```

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(176, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 242, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6836, 79.1452, 95.8191 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(176, 242, 242) }
```



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

```
.border{ border-color:rgb(176, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(176, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(176, 242,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6836, 79.1452, 95.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 242, 242) }
```

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

```
.background{ background-color: rgb(176,  
242, 242) }
```

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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