

# Converting Colors

XYZ(65.9868, 79.4076, 96.0506)

Have a look what the booklet for  
XYZ(65.9868, 79.4076, 96.0506)  
contains.

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# Color

**XYZ(65.9106, 79.2622,  
95.8297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F2F2
RGB	177, 242, 242
RGB Percent	69%, 95%, 95%
CMY	0.3059, 0.0510, 0.0510
CMYK	0.27, 0.00, 0.00, 0.05
HSL	180°, 71%, 82%
HSV	180°, 27%, 95%
XYZ	65.9106, 79.2622, 95.8297
YIQ	222.5650, -38.7400, -13.7800

# Conversions

## Conversions Part 2

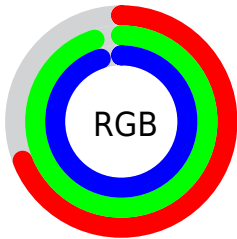
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 210, 242
Decimal	11662066
CIE <sub>Lab</sub>	91.35, -20.16, -6.57
CIE <sub>LCh</sub>	91, 21.209, 198.058
Yxy	79.2622, 0.2735, 0.3289
Android (android.graphics.Color)	4289852146 (0xFFB1F2F2)
YUV	222.5650, 9.5815, -39.9605
Hunter-Lab	89.0293, -23.6534, -1.4983

# Details

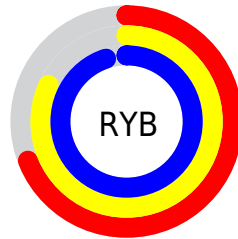
The XYZ color **65.9106, 79.2622, 95.8297** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.2787, 53.4981, 48.7472**, and the grayscale version is **69.7865, 73.4209, 79.9553**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **34.4479, 42.8006, 52.9001** is the 20% darker color. If you saturate the color by 10%, you get **60.8802, 76.6710, 95.5951**, and if you desaturate by 10%, it is **71.9231, 82.3637, 96.1136**.

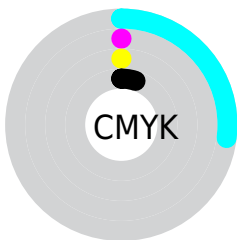
# Distribution



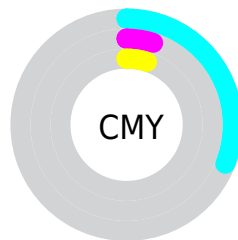
- Red (69%)
- Green (95%)
- Blue (95%)



- 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 65.9106, 79.2622, 95.8297 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 65.9106, 79.2622, 95.8297 by changing the saturation by 10% instead.



65.9106, 79.2622,  
95.8297

65.9106, 79.2622,  
95.8297

435.5508,  
492.4429, 567.8698

48.4673, 59.1114,  
72.2250

112.4165,  
132.3279, 157.4158

34.4099, 42.7028,  
52.8546

142.2097,  
166.0116, 196.2343

23.3730, 29.6520,  
37.2997

176.8503,  
204.9751, 240.9612

14.9914, 19.5746,  
25.1421

216.7035,  
249.6028, 292.0149

8.8996, 12.0862,  
15.9629

262.1349,  
300.2790, 349.8141

4.7324, 6.8024,  
9.3439

313.5096,

2.1242, 3.3388,

357.3882, 414.7773

4.8663

371.1931,  
421.3147, 487.3230

■ 0.7023, 1.3111,  
2.1117

■ 0.0000, 0.1498,  
0.6227

■ 65.9106, 79.2622,  
95.8297

■ 65.9106, 79.2622,  
95.8297

■ 60.8802, 76.6710,  
95.5951

■ 71.9231, 82.3637,  
96.1136

■ 56.7734, 74.5538,  
95.4021


■ 78.9585, 85.9906,  
96.4438


■ 53.5359, 72.8849,  
95.2497


■ 87.0640, 90.1691,  
96.8240


■ 51.1054, 71.6319,  
95.1351


■ 89.0214, 91.1782,  
96.9164


 49.4109, 70.7584,  
95.0549


 89.0216, 91.1783,  
96.9173


 48.3693, 70.2214,  
95.0053


 89.0218, 91.1783,  
96.9182

 47.8748, 69.9665,  
94.9813

 89.0219, 91.1784,  
96.9190

 47.7796, 69.9175,  
94.9766

 89.0221, 91.1785,  
96.9199

 89.0223, 91.1785,  
96.9208

# Harmonies

## Analogous

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



65.6493, 79.2622, 80.3086



65.9106, 79.2622, 95.8297



68.6226, 79.2622, 110.3043

# Triad

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



65.9106, 79.2622, 95.8297



83.3072, 79.2622, 107.6894



77.5002, 79.2622, 60.4103

# Complementary

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



65.9106, 79.2622, 95.8297



60.2787, 53.4981, 48.7472

# 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.



82.4743, 79.2622, 66.0634



65.9106, 79.2622, 95.8297



85.9323, 79.2622, 92.5886

# Square

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



65.9106, 79.2622, 95.8297



78.5932, 79.2622, 117.6933



85.6204, 79.2622, 77.4297



72.1707, 79.2622, 61.0584

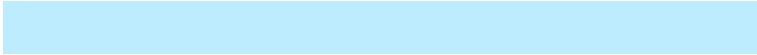


# Rectangle

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



65.9106, 79.2622, 95.8297



71.5314, 79.2622, 116.8496



85.6204, 79.2622, 77.4297



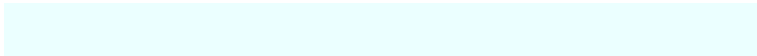
79.2738, 79.2622, 61.6061

# Sweetspot

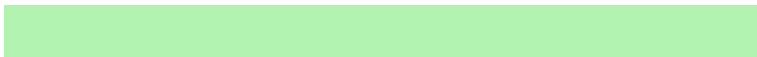
The Sweet Spot groups the original color and five complimentary colors.



65.9129, 79.2654, 95.8315



87.9389, 96.3341, 108.5664



58.0695, 76.1567, 53.2356



18.5549, 20.4815, 23.2251



0.0000, 0.0000, 0.0000

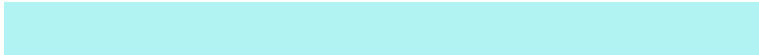


20.3446, 21.4041, 23.3091



# Same Dimension

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



65.9129, 79.2654, 95.8315



71.1316, 87.6697, 107.7775



57.3517, 62.1422, 92.9800



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.



60.2787, 53.4981, 48.7472



63.8424, 54.3336, 46.8629



67.2142, 67.3696, 51.0576



15.7729, 15.7589, 16.3603



19.6715, 10.1410, 0.9209

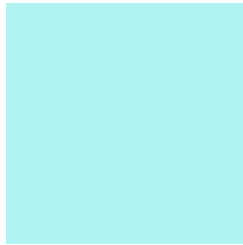


1.6365, 0.8436, 0.0767



# Previews

## White Background



This preview shows how the XYZ color 65.9106, 79.2622, 95.8297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

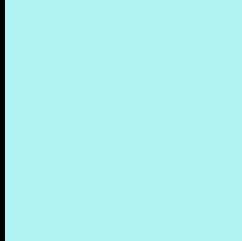
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9106, 79.2622, 95.8297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

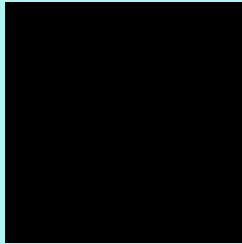
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.9106, 79.2622, 95.8297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9106, 79.2622, 95.8297.



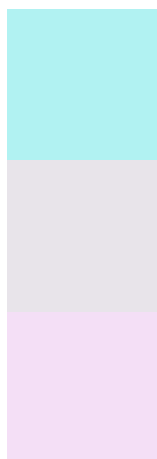
This preview shows how white text looks on a background with the XYZ color 65.9106, 79.2622,

95.8297.

# 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

65.9106, 79.2622, 95.8297

### Protanopia

75.8734, 78.5831, 89.0110

### Deuteranopia

80.3305, 78.6623, 98.1382



## Tritanopia

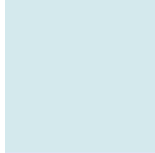
69.3636, 79.0604, 106.2121

# Trichromacy



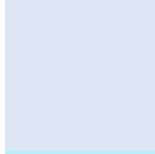
## Original Color

65.9106, 79.2622, 95.8297



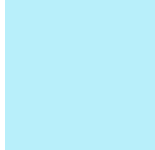
## Protanomaly

71.5764, 78.3893, 91.4789



## Deuteranomaly

74.2934, 78.4018, 97.6036



## Tritanomaly

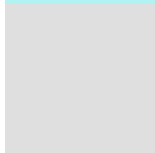
67.8890, 78.8255, 102.0792

# Monochromacy



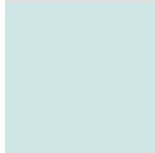
## Original Color

65.9106, 79.2622, 95.8297



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

68.0333, 75.4286, 85.8363

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9106, 79.2622, 95.8297 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(177, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 242, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9106, 79.2622, 95.8297 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(177, 242, 242) }
```



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

```
.border{ border-color:rgb(177, 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(177, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(177, 242,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9106, 79.2622, 95.8297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 242, 242) }
```

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

```
.background{ background-color: rgb(177,  
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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