

Converting Colors

XYZ(66.8109, 81.0627, 96.1298)

Have a look what the booklet for
XYZ(66.8109, 81.0627, 96.1298)
contains.

XYZ(66.8109, 81.0627, 96.1298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.8109, 81.0627,
96.1298)**

Conversions

Conversions Part 1

Format	Color
Hex	B1F5F2
RGB	177, 245, 242
RGB Percent	69%, 96%, 95%
CMY	0.3059, 0.0392, 0.0510
CMYK	0.28, 0.00, 0.01, 0.04
HSL	177°, 77%, 83%
HSV	177°, 28%, 96%
XYZ	66.8109, 81.0627, 96.1298
YIQ	224.3260, -39.5650, -15.3490

Conversions

Conversions Part 2

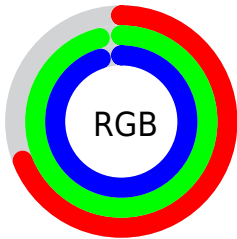
Format	Color
R_{YB}	177, 212, 245
Decimal	11662834
CIE _{Lab}	92.16, -21.64, -5.38
CIE _{LCh}	92, 22.295, 193.972
Yxy	81.0627, 0.2738, 0.3322
Android (android.graphics.Color)	4289852914 (0xFFB1F5F2)
YUV	224.3260, 8.7133, -41.5049
Hunter-Lab	90.0348, -25.1039, -0.2793

Details

The XYZ color **66.8109, 81.0627, 96.1298** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6194, 54.1544, 50.3884**, and the grayscale version is **71.0465, 74.7464, 81.3988**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **35.0866, 44.0779, 53.1130** is the 20% darker color. If you saturate the color by 10%, you get **61.5622, 78.3777, 95.0401**, and if you desaturate by 10%, it is **73.0671, 84.2711, 97.2752**.

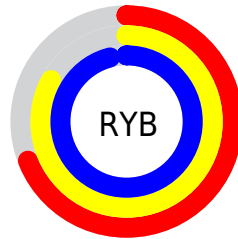
Distribution



Red (69%)

Green (96%)

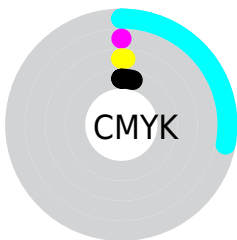
Blue (95%)



Red (69%)

Yellow (83%)

Blue (96%)

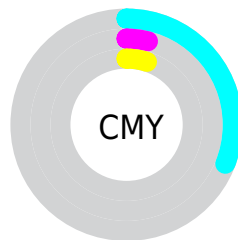


Cyan (28%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (31%)

Magenta (4%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8109, 81.0627, 96.1298 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 66.8109, 81.0627, 96.1298 by changing the saturation by 10% instead.

66.8109, 81.0627,
96.1298

66.8109, 81.0627,
96.1298

438.7144,
498.5070, 568.8521

49.2011, 60.5932,
72.4736

113.7007,
134.8588, 157.8335

34.9942, 43.8970,
53.0564

143.7114,
168.9542, 196.7181

23.8249, 30.5895,
37.4598

178.5865,
208.3605, 241.5159

15.3278, 20.2865,
25.2651

218.6912,
253.4618, 292.6455

9.1376, 12.6035,
16.0539

264.3911,
304.6428, 350.5254

4.8889, 7.1561,
9.4075

316.0513,

2.2163, 3.5599,

362.2877, 415.5740

4.9075

374.0373,
426.7810, 488.2101

■ 0.7513, 1.4306,
2.1353

■ 0.0000, 0.2391,
0.6367

■ 66.8109, 81.0627,
96.1298

■ 66.8109, 81.0627,
96.1298

■ 61.5622, 78.3777,
95.0401

■ 73.0671, 84.2711,
97.2752

■ 57.2603, 76.1786,
93.9979

■ 80.3734, 88.0187,
98.4730

■ 53.8490, 74.4385,
93.0025

■ 88.7784, 92.3326,
99.7272

■ 51.2631, 73.1238,
92.0506

■ 90.5789, 93.2416,
100.6774

49.4287, 72.1964,
91.1390

90.7458, 93.3084,
101.5563

48.2585, 71.6113,
90.2633

90.9137, 93.3755,
102.4402

47.6356, 71.3082,
89.4183

91.0825, 93.4431,
103.3292

47.5318, 71.2588,
89.2310

91.2523, 93.5110,
104.2234

91.4231, 93.5793,
105.1227

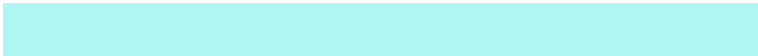
Harmonies

Analogous

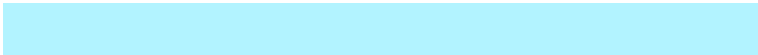
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.9043, 81.0627, 79.8079



66.8109, 81.0627, 96.1298



69.3630, 81.0627, 112.1185

Triad

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



66.8109, 81.0627, 96.1298



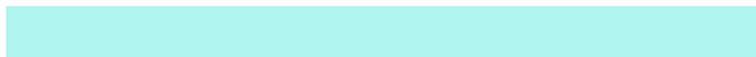
84.9801, 81.0627, 113.0634



80.1402, 81.0627, 61.1990

Complementary

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



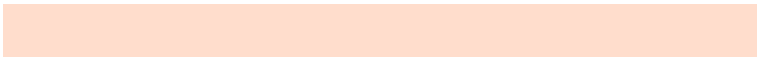
66.8109, 81.0627, 96.1298



61.6194, 54.1544, 50.3884

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.



85.2799, 81.0627, 68.0576



66.8109, 81.0627, 96.1298



88.1677, 81.0627, 97.2962

Square

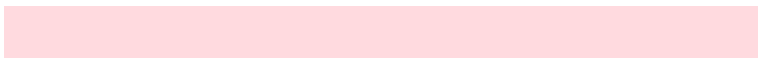
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8109, 81.0627, 96.1298



79.7475, 81.0627, 122.6866



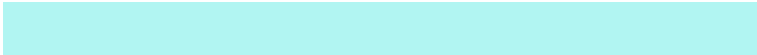
88.2801, 81.0627, 80.8385



74.4095, 81.0627, 60.9689

Rectangle

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



66.8109, 81.0627, 96.1298



72.2981, 81.0627, 119.8758



88.2801, 81.0627, 80.8385



82.0008, 81.0627, 62.7633

Sweetspot

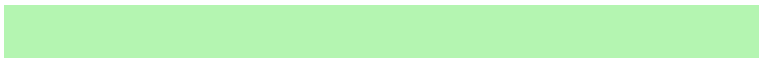
The Sweet Spot groups the original color and five complimentary colors.



66.8133, 81.0660, 96.1317



87.7943, 96.2763, 107.8051



59.5063, 78.2338, 53.5610



18.5182, 20.4668, 23.0316



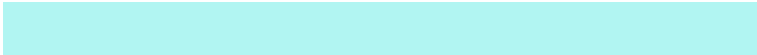
0.0000, 0.0000, 0.0000



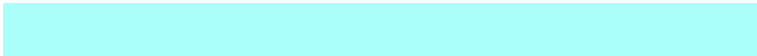
20.3446, 21.4041, 23.3091

Same Dimension

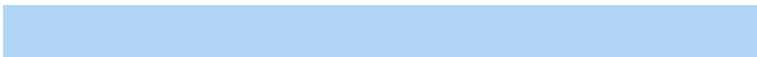
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8133, 81.0660, 96.1317



69.9793, 87.1441, 104.6340



58.7633, 64.2382, 95.6919



16.9632, 18.7444, 21.0907



25.6194, 38.3926, 48.1429



2.2613, 3.3782, 4.2820

Inverse Universe

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



61.6194, 54.1544, 50.3884



63.4699, 53.4073, 47.2977



68.0533, 67.5066, 51.0399



16.5288, 16.4944, 17.2652



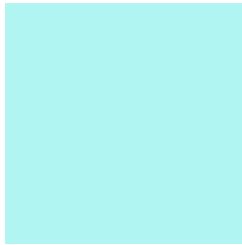
20.3312, 10.4759, 1.1865



1.7971, 0.9248, 0.1582

Previews

White Background



This preview shows how the XYZ color 66.8109, 81.0627, 96.1298 looks on a white background.

Color Contrast Check

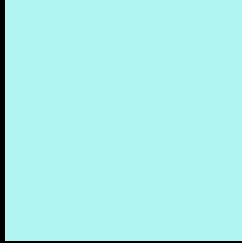
Large Text (above 18pt) WCAG AA × Fail

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 66.8109, 81.0627, 96.1298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

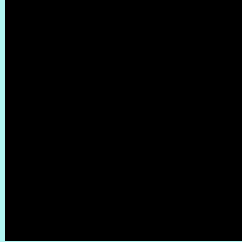
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8109, 81.0627, 96.1298

Background



This preview shows how black text looks on a background with the XYZ color 66.8109, 81.0627, 96.1298.

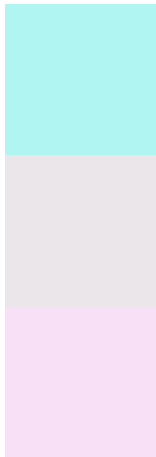


This preview shows how white text looks on a background with the XYZ color 66.8109, 81.0627,

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

66.8109, 81.0627, 96.1298

Protanopia

77.2657, 80.1390, 88.4868

Deuteranopia

82.2712, 80.4607, 98.3831



Tritanopia

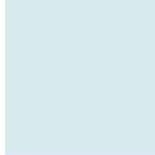
71.4582, 81.0095, 106.4779

Trichromacy



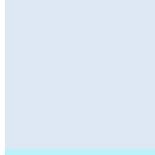
Original Color

66.8109, 81.0627, 96.1298



Protanomaly

72.5802, 79.7689, 90.9284



Deuteranomaly

75.4622, 79.8354, 97.8187



Tritanomaly

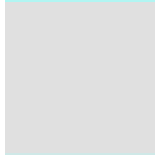
69.7465, 81.0978, 102.4199

Monochromacy



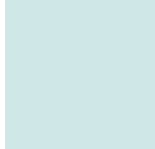
Original Color

66.8109, 81.0627, 96.1298



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.0125, 76.7481, 86.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8109, 81.0627, 96.1298 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, 245, 242)` looks like.

```
.text, #text, p{  
    color:rgb(177, 245, 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, 245, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 245, 242) }
```

Border

The CSS property to change the border of an element to XYZ 66.8109, 81.0627, 96.1298 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, 245, 242) }
```


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

```
.border{ border-color:rgb(177, 245, 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, 245, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(177, 245,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8109, 81.0627, 96.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 245, 242) }
```

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

```
.background{ background-color: rgb(177,  
245, 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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