

Converting Colors

XYZ(66.6622, 77.4954, 91.2000)

Have a look what the booklet for
XYZ(66.6622, 77.4954, 91.2000)
contains.

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Color

**XYZ(66.8055, 77.6299,
91.5838)**

Conversions

Conversions Part 1

Format	Color
Hex	BEADED
RGB	190, 237, 237
RGB Percent	75%, 93%, 93%
CMY	0.2549, 0.0706, 0.0706
CMYK	0.20, 0.00, 0.00, 0.07
HSL	180°, 57%, 84%
HSV	180°, 20%, 93%
XYZ	66.8055, 77.6299, 91.5838
YIQ	222.9470, -28.0120, -9.9640

Conversions

Conversions Part 2

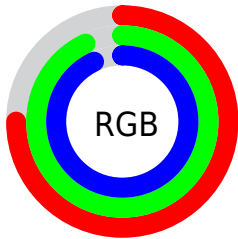
Format	Color
R _{YB}	190, 214, 237
Decimal	12512749
CIE _{Lab}	90.61, -14.97, -4.98
CIE _{LCh}	91, 15.778, 198.399
Y _{xy}	77.6299, 0.2831, 0.3289
Android (android.graphics.Color)	4290702829 (0xFFBEEDED)
YUV	222.9470, 6.9281, -28.8945
Hunter-Lab	88.1078, -18.8457, 0.0464

Details

The XYZ color **66.8055, 77.6299, 91.5838** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6356, 58.5515, 56.7189**, and the grayscale version is **70.0701, 73.7192, 80.2802**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.0177, 41.6182, 49.9035** is the 20% darker color. If you saturate the color by 10%, you get **61.3610, 74.8252, 91.3295**, and if you desaturate by 10%, it is **73.2171, 80.9372, 91.8866**.

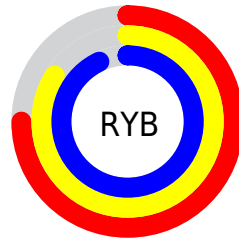
Distribution



Red (75%)

Green (93%)

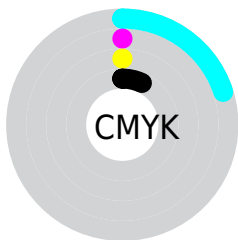
Blue (93%)



Red (75%)

Yellow (84%)

Blue (93%)

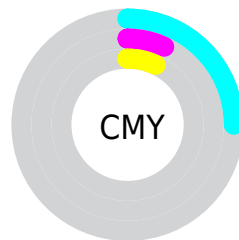


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8055, 77.6299, 91.5838 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 66.8055, 77.6299, 91.5838 by changing the saturation by 10% instead.

66.8055, 77.6299,
91.5838

66.8055, 77.6299,
91.5838

438.6955,
486.9090, 553.8720

49.1967, 57.7700,
68.7139

113.6930,
130.0283, 151.4911

34.9907, 41.6238,
50.0084

143.7024,
163.3355, 189.3656

23.8222, 28.8068,
35.0489

178.5761,
201.8940, 233.0787

15.3258, 18.9347,
23.4167

218.6793,
246.0882, 283.0489

9.1362, 11.6231,
14.6933

264.3775,
296.3023, 339.6948

4.8879, 6.4876,
8.4602

316.0361,

2.2157, 3.1438,

352.9209, 403.4349

4.2988

374.0203,
416.3284, 474.6878

■ 0.7510, 1.2073,
1.7907

■ 0.0000, 0.0676,
0.4218

■ 66.8055, 77.6299,
91.5838

■ 66.8055, 77.6299,
91.5838

■ 61.3610, 74.8252,
91.3295

■ 73.2171, 80.9372,
91.8866

■ 56.8303, 72.4896,
91.1163


■ 80.6323, 84.7599,
92.2348


■ 53.1654, 70.6003,
90.9437


■ 86.8125, 87.9458,
92.5252


■ 50.3112, 69.1289,
90.8090


■ 86.8127, 87.9459,
92.5263


 48.2061, 68.0437,
90.7093


 86.8129, 87.9460,
92.5275


 46.7800, 67.3086,
90.6414


 86.8131, 87.9461,
92.5286


 45.9494, 66.8804,
90.6014

 86.8133, 87.9462,
92.5298

 45.5751, 66.6874,
90.5828

 86.8136, 87.9463,
92.5309

 45.5701, 66.6849,
90.5825

 86.8138, 87.9463,
92.5321

Harmonies

Analogous

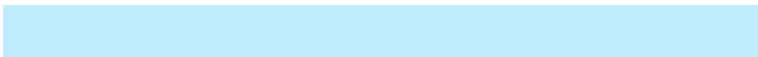
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5874, 77.6299, 80.2236



66.8055, 77.6299, 91.5838



68.8529, 77.6299, 101.8697

Triad

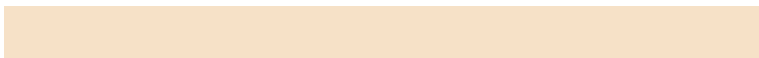
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8055, 77.6299, 91.5838



79.6155, 77.6299, 99.8169



75.3239, 77.6299, 64.9463

Complementary

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



66.8055, 77.6299, 91.5838



62.6356, 58.5515, 56.7189

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.



78.9470, 77.6299, 69.2714



66.8055, 77.6299, 91.5838



81.4831, 77.6299, 88.9790

Square

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



66.8055, 77.6299, 91.5838



76.2099, 77.6299, 106.9078



81.2342, 77.6299, 77.8400



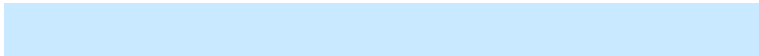
71.4119, 77.6299, 65.5083

Rectangle

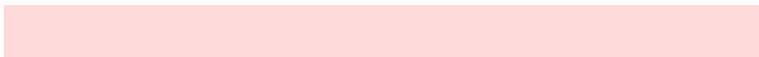
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8055, 77.6299, 91.5838



71.0221, 77.6299, 106.4220



81.2342, 77.6299, 77.8400



76.6184, 77.6299, 65.8600

Sweetspot

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



66.8078, 77.6331, 91.5856



89.6433, 97.2127, 108.6462



61.0122, 75.3375, 60.0428



19.0671, 20.7455, 23.2491



0.0000, 0.0000, 0.0000



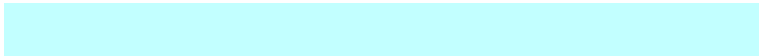
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8078, 77.6331, 91.5856



76.0062, 90.1826, 108.0055



60.6420, 65.3008, 89.5324



15.5177, 17.1219, 19.4090



24.8785, 36.4059, 49.4526



1.9536, 2.8587, 3.8833

Inverse Universe

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



62.6356, 58.5515, 56.7189



70.2029, 63.6408, 59.5073



67.9452, 69.1711, 58.4871



15.0656, 15.0541, 15.6306



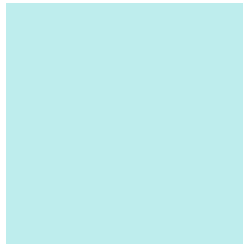
19.0678, 9.8298, 0.8927



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 66.8055, 77.6299, 91.5838 looks on a white background.

Color Contrast Check

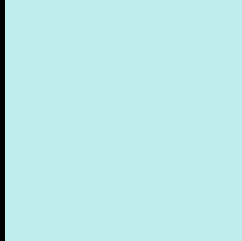
Large Text (above 18pt) WCAG AA × Fail

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 66.8055, 77.6299, 91.5838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

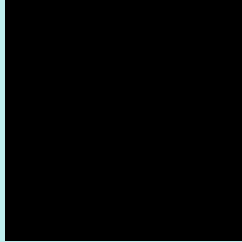
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8055, 77.6299, 91.5838

Background



This preview shows how black text looks on a background with the XYZ color 66.8055, 77.6299, 91.5838.



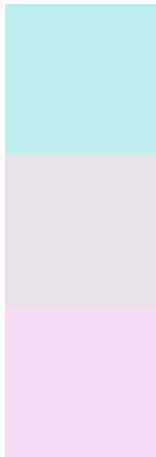
This preview shows how white text looks on a background with the XYZ color 66.8055, 77.6299,

91.5838.

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

66.8055, 77.6299, 91.5838

Protanopia

74.2533, 76.9852, 86.5474

Deuteranopia

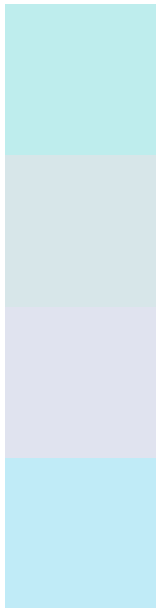
78.8929, 77.2373, 93.1883



Tritanopia

69.1448, 77.2749, 104.1997

Trichromacy



Original Color

66.8055, 77.6299, 91.5838

Protanomaly

71.0291, 76.9239, 88.1950

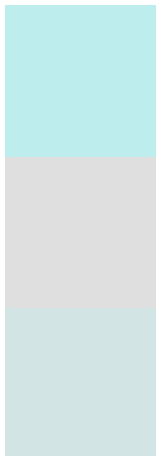
Deuteranomaly

73.7895, 77.0175, 92.6381

Tritanomaly

68.2351, 77.3385, 99.3271

Monochromacy



Original Color

66.8055, 77.6299, 91.5838

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.6110, 74.9371, 84.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8055, 77.6299, 91.5838 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(190, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(190, 237, 237)  
}
```

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(190, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 237, 237) }
```

Border

The CSS property to change the border of an element to XYZ 66.8055, 77.6299, 91.5838 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(190, 237, 237) }
```


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

```
.border{ border-color:rgb(190, 237, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 237, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 237, 237); box-shadow:4px 4px 4px 4px rgb(190, 237, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8055, 77.6299, 91.5838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 237, 237) }
```

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

```
.background{ background-color: rgb(190,  
237, 237) }
```

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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