

Converting Colors

XYZ(65.5880, 76.8642, 97.7656)

Have a look what the booklet for
XYZ(65.5880, 76.8642, 97.7656)
contains.

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Color

**XYZ(65.5880, 76.8642,
97.7656)**

Conversions

Conversions Part 1

Format	Color
Hex	B4EDF5
RGB	180, 237, 245
RGB Percent	71%, 93%, 96%
CMY	0.2941, 0.0706, 0.0392
CMYK	0.27, 0.03, 0.00, 0.04
HSL	187°, 76%, 83%
HSV	187°, 27%, 96%
XYZ	65.5880, 76.8642, 97.7656
YIQ	220.8690, -36.5400, -9.5960

Conversions

Conversions Part 2

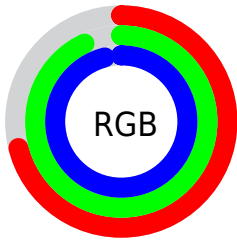
Format	Color
R _Y B	180, 210, 245
Decimal	11857397
CIE Lab	90.26, -16.17, -9.74
CIE LCh	90, 18.880, 211.063
Yxy	76.8642, 0.2730, 0.3200
Android (android.graphics.Color)	4290047477 (0xFFB4EDF5)
YUV	220.8690, 11.8966, -35.8421
Hunter-Lab	87.6722, -19.8897, -4.7453

Details

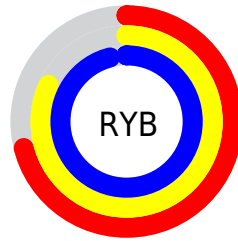
The XYZ color **65.5880, 76.8642, 97.7656** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.8786, 58.6747, 51.1403**, and the grayscale version is **68.5747, 72.1459, 78.5669**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **34.1666, 41.0818, 54.2729** is the 20% darker color. If you saturate the color by 10%, you get **59.5160, 72.4511, 97.2351**, and if you desaturate by 10%, it is **72.6873, 81.8326, 98.3517**.

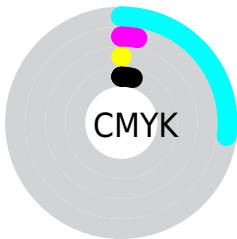
Distribution



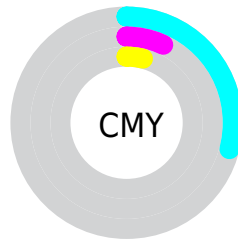
- Red (71%)
- Green (93%)
- Blue (96%)



- Red (71%)
- Yellow (82%)
- Blue (96%)



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (29%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5880, 76.8642, 97.7656 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 65.5880, 76.8642, 97.7656 by changing the saturation by 10% instead.

65.5880, 76.8642,
97.7656

65.5880, 76.8642,
97.7656

434.4139,
484.3009, 574.1903

48.2045, 57.1414,
73.8294

111.9558,
128.9478, 160.1082

34.2008, 41.1188,
54.1584

141.6708,
162.0774, 199.3516

23.2115, 28.4119,
38.3343

176.2271,
200.4447, 244.5346

14.8713, 18.6364,
25.9384

215.9899,
244.4341, 296.0755

8.8148, 11.4078,
16.5522

261.3246,
294.4300, 354.3930

4.6768, 6.3419,
9.7572

312.5966,

2.0917, 3.0541,

350.8169, 419.9056

5.1348

370.1712,
413.9790, 493.0319

■ 0.6847, 1.1600,
2.2664

■ 0.0000, 0.0287,
0.7123

■ 65.5880, 76.8642,
97.7656

■ 65.5880, 76.8642,
97.7656

■ 59.5160, 72.4511,
97.2351

■ 72.6873, 81.8326,
98.3517

■ 54.4113, 68.5564,
96.7524

■ 80.8564, 87.3723,
98.9904

■ 50.2182, 65.1532,
96.3165

■ 90.1436, 93.5105,
99.6857

■ 46.8724, 62.2083,
95.9244

■ 91.6165, 95.6424,
100.0196

■ 44.3011, 59.6841,
95.5727

■ 92.5561, 97.5215,
100.3328

■ 42.4191, 57.5363,
95.2574

■ 93.4817, 99.3727,
100.6413

■ 41.1193, 55.7099,
94.9733

■ 40.7459, 55.1211,
94.8794

Harmonies

Analogous

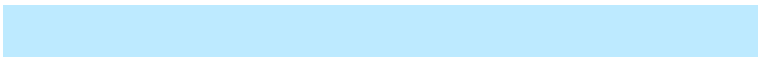
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3911, 76.8642, 84.1731



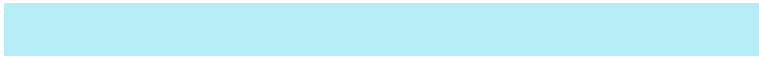
65.5880, 76.8642, 97.7656



68.7723, 76.8642, 108.4403

Triad

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



65.5880, 76.8642, 97.7656



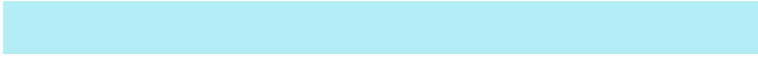
81.2526, 76.8642, 96.8461



72.8896, 76.8642, 60.3957

Complementary

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



65.5880, 76.8642, 97.7656



63.8786, 58.6747, 51.1403

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.



77.5163, 76.8642, 63.0284



65.5880, 76.8642, 97.7656



82.4678, 76.8642, 83.2129

Square

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



65.5880, 76.8642, 97.7656



77.8188, 76.8642, 107.8707



81.0728, 76.8642, 71.0384



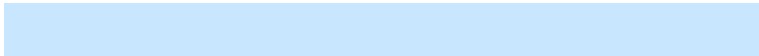
68.4938, 76.8642, 63.4267

Rectangle

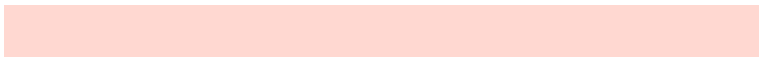
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5880, 76.8642, 97.7656



71.6626, 76.8642, 111.9434



81.0728, 76.8642, 71.0384



74.4696, 76.8642, 60.6451

Sweetspot

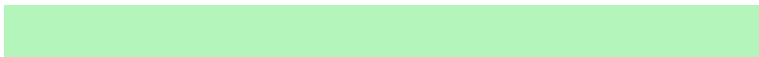
The Sweet Spot groups the original color and five complimentary colors.



65.5903, 76.8673, 97.7674



87.1435, 94.7432, 108.3020



60.5086, 78.6225, 59.3300



18.3529, 20.0774, 23.1580



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.



65.5903, 76.8673, 97.7674



68.0126, 81.4307, 106.7408



57.1168, 59.9204, 94.9429



16.8125, 18.3894, 21.2060



22.0200, 29.8337, 51.1359



1.9832, 2.7179, 4.5103

Inverse Universe

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



69.2653, 58.1712, 87.7017



72.7358, 57.8909, 93.6949



71.5109, 73.9395, 53.6844



17.1207, 16.7311, 20.3822



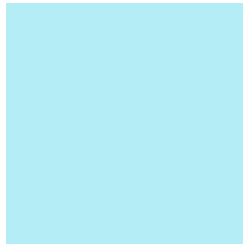
26.9192, 13.1111, 35.8783



2.3901, 1.1620, 3.2807

Previews

White Background



This preview shows how the XYZ color 65.5880, 76.8642, 97.7656 looks on a white background.

Color Contrast Check

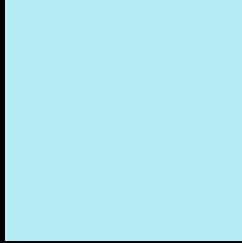
Large Text (above 18pt) WCAG AA × Fail

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 65.5880, 76.8642, 97.7656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

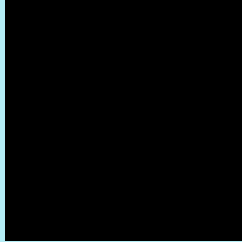
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5880, 76.8642, 97.7656

Background



This preview shows how black text looks on a background with the XYZ color 65.5880, 76.8642, 97.7656.

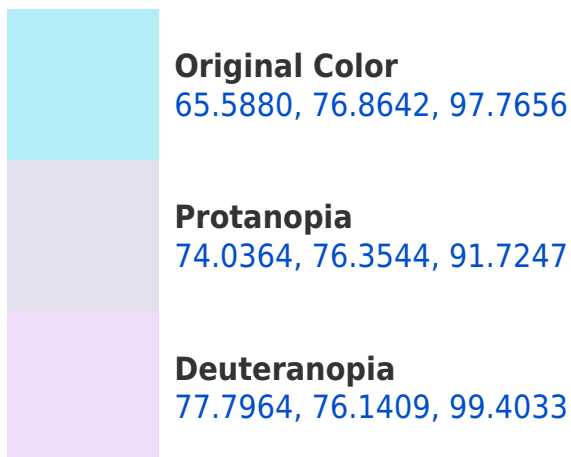


This preview shows how white text looks on a background with the XYZ color 65.5880, 76.8642,

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

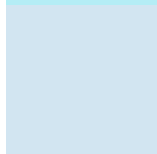
67.1762, 77.0917, 105.1056

Trichromacy



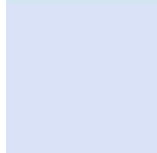
Original Color

65.5880, 76.8642, 97.7656



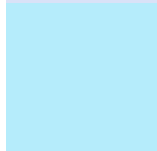
Protanomaly

70.4748, 76.0911, 94.1917



Deuteranomaly

72.6001, 75.8598, 98.8117



Tritanomaly

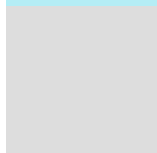
66.4641, 76.7797, 102.5837

Monochromacy



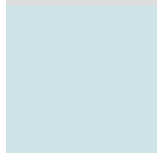
Original Color

65.5880, 76.8642, 97.7656



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.2056, 73.7732, 85.5604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5880, 76.8642, 97.7656 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(180, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(180, 237, 245)  
}
```

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(180, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 237, 245) }
```

Border

The CSS property to change the border of an element to XYZ 65.5880, 76.8642, 97.7656 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(180, 237, 245) }
```


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

```
.border{ border-color:rgb(180, 237, 245) }
```

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

Here you see how a box with a 4 pixel rgb(180, 237, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(180, 237,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5880, 76.8642, 97.7656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 237, 245) }
```

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

```
.background{ background-color: rgb(180,  
237, 245) }
```

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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