

Converting Colors

XYZ(50.9220, 58.0132, 77.2534)

Have a look what the booklet for
XYZ(50.9220, 58.0132, 77.2534)
contains.

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Color

**XYZ(50.6738, 57.7386,
76.8805)**

Conversions

Conversions Part 1

Format	Color
Hex	A4CFDD
RGB	164, 207, 221
RGB Percent	64%, 81%, 87%
CMY	0.3569, 0.1882, 0.1333
CMYK	0.26, 0.06, 0.00, 0.13
HSL	195°, 46%, 75%
HSV	195°, 26%, 87%
XYZ	50.6738, 57.7386, 76.8805
YIQ	195.7390, -30.1220, -4.7620

Conversions

Conversions Part 2

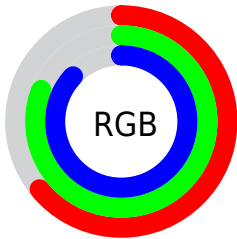
Format	Color
RYB	164, 189, 221
Decimal	10801117
CIELab	80.59, -10.92, -11.55
CIELCh	81, 15.896, 226.621
Yxy	57.7386, 0.2735, 0.3116
Android (android.graphics.Color)	4288991197 (0xFFA4CFDD)
YUV	195.7390, 12.4537, -27.8351
Hunter-Lab	75.9859, -13.9366, -6.7979

Details

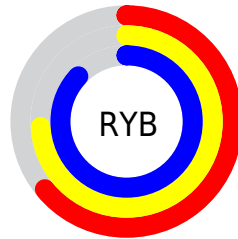
The XYZ color **50.6738, 57.7386, 76.8805** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4407, 49.8936, 41.9897**, and the grayscale version is **52.2551, 54.9764, 59.8693**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **24.8297, 28.9151, 40.3489** is the 20% darker color. If you saturate the color by 10%, you get **45.2113, 53.0054, 76.2558**, and if you desaturate by 10%, it is **56.9775, 62.9754, 77.5600**.

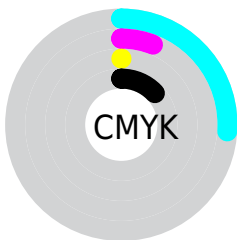
Distribution



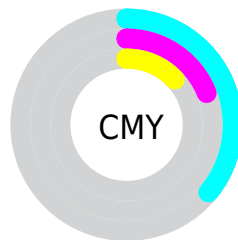
- Red (64%)
- Green (81%)
- Blue (87%)



- Red (64%)
- Yellow (74%)
- Blue (87%)



- Cyan (26%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (36%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6738, 57.7386, 76.8805 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 50.6738, 57.7386, 76.8805 by changing the saturation by 10% instead.

■ 50.6738, 57.7386,
76.8805

■ 50.6738, 57.7386,
76.8805

379.7037,
416.2112, 503.7833

■ 36.1691, 41.5985,
56.6438

■ 90.3583, 101.5421,
130.7423

■ 24.7355, 28.7871,
40.3119

■ 116.2687,
129.9743, 165.2044

■ 16.0078, 18.9198,
27.4662

146.7118,
163.2727, 205.2455

■ 9.6205, 11.6123,
17.6881

182.0528,
201.8217, 251.2840

■ 5.2084, 6.4803,
10.5592

222.6571,
246.0056, 303.7385

■ 2.4061, 3.1393,
5.6608

268.8902,

■ 0.8481, 1.2049,

296.2089, 363.0275

2.5745

321.1172,
352.8160, 429.5696

■ 0.0000, 0.0657,
0.8793

■ 0.0000, 0.0000,
0.0000

■ 50.6738, 57.7386,
76.8805

■ 50.6738, 57.7386,
76.8805

■ 45.2113, 53.0054,
76.2558

■ 56.9775, 62.9754,
77.5600

■ 40.5434, 48.7469,
75.6798

■ 64.1556, 68.7293,
78.2923

■ 36.6266, 44.9413,
75.1517

■ 72.2459, 75.0219,
79.0805

■ 33.4111, 41.5623,
74.6690

■ 81.2824, 81.8712,
79.9263

■ 30.8407, 38.5803,
74.2289

■ 83.7540, 85.4060,
80.4783

■ 28.8499, 35.9608,
73.8282

■ 85.3242, 88.5462,
81.0017

■ 27.3582, 33.6615,
73.4630

■ 86.9421, 91.7820,
81.5410

■ 26.8205, 32.7589,
73.3171

■ 88.6081, 95.1141,
82.0963

■ 90.0513, 98.0005,
82.5774

Harmonies

Analogous

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



49.0733, 57.7386, 68.1586



50.6738, 57.7386, 76.8805



53.4371, 57.7386, 82.0576

Triad

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



50.6738, 57.7386, 76.8805



61.2239, 57.7386, 67.1258



53.1004, 57.7386, 47.1473

Complementary

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



50.6738, 57.7386, 76.8805



52.4407, 49.8936, 41.9897

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.



56.3462, 57.7386, 46.9300



50.6738, 57.7386, 76.8805



61.1250, 57.7386, 57.8576

Square

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



50.6738, 57.7386, 76.8805



59.5754, 57.7386, 76.0600



59.3102, 57.7386, 50.6700



50.4358, 57.7386, 51.2962

Rectangle

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



50.6738, 57.7386, 76.8805



55.6067, 57.7386, 82.4985



59.3102, 57.7386, 50.6700



54.1573, 57.7386, 46.6274

Sweetspot

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



50.6755, 57.7409, 76.8818



86.3616, 93.1793, 108.0414



49.1332, 62.7928, 51.2838



18.1548, 19.6812, 23.0919



0.0000, 0.0000, 0.0000



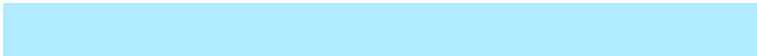
20.3446, 21.4041, 23.3091

Same Dimension

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



50.6755, 57.7409, 76.8818



65.8200, 76.1979, 105.8463



44.5224, 45.4347, 74.8308



13.1599, 14.2596, 16.7109



15.6734, 19.2163, 42.6214



1.0813, 1.3768, 2.7832

Inverse Universe

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



54.3581, 46.4295, 65.1309



71.8360, 58.3232, 86.5143



58.5439, 62.1000, 44.0241



13.4706, 13.2173, 15.7394



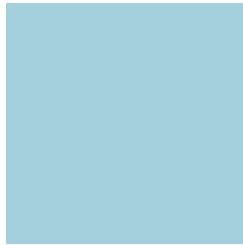
21.4065, 10.5637, 22.3187



1.4201, 0.6977, 1.6211

Previews

White Background



This preview shows how the XYZ color 50.6738, 57.7386, 76.8805 looks on a white background.

Color Contrast Check

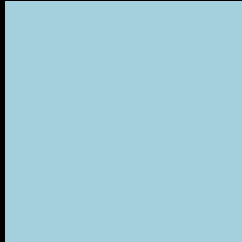
Large Text (above 18pt) WCAG AA × Fail

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 50.6738, 57.7386, 76.8805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

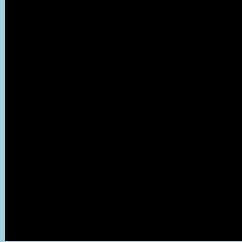
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6738, 57.7386, 76.8805

Background



This preview shows how black text looks on a background with the XYZ color 50.6738, 57.7386, 76.8805.

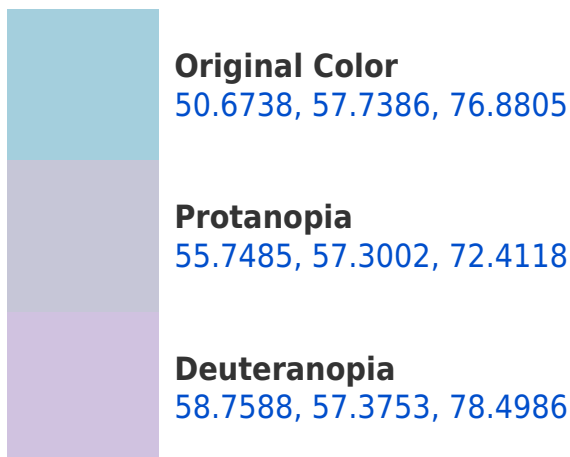


This preview shows how white text looks on a background with the XYZ color 50.6738, 57.7386,

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

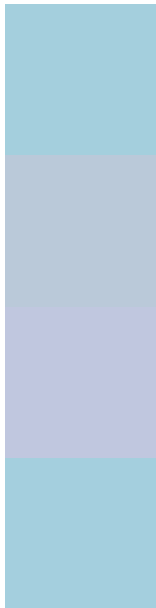




Tritanopia

50.9419, 57.8459, 78.2925

Trichromacy



Original Color

50.6738, 57.7386, 76.8805

Protanomaly

53.6607, 57.2221, 73.8624

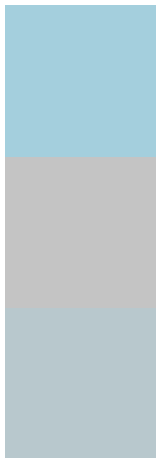
Deuteranomaly

55.4809, 57.3810, 77.9635

Tritanomaly

50.8075, 57.7921, 77.5844

Monochromacy



Original Color

50.6738, 57.7386, 76.8805

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4409, 55.9067, 65.8375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6738, 57.7386, 76.8805 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(164, 207, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 207, 221)  
}
```

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(164, 207, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 207, 221) }
```

Border

The CSS property to change the border of an element to XYZ 50.6738, 57.7386, 76.8805 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(164, 207, 221) }
```


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

```
.border{ border-color:rgb(164, 207, 221) }
```

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

Here you see how a box with a 4 pixel rgb(164, 207, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 207, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 207, 221);  
box-shadow:4px 4px 4px 4px rgb(164, 207,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6738, 57.7386, 76.8805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 207, 221) }
```

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

```
.background{ background-color: rgb(164,  
207, 221) }
```

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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