

Converting Colors

XYZ(50.6580, 55.4437, 75.8266)

Have a look what the booklet for
XYZ(50.6580, 55.4437, 75.8266)
contains.

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Color

**XYZ(50.5858, 55.2465,
75.7076)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC8DC
RGB	172, 200, 220
RGB Percent	67%, 78%, 86%
CMY	0.3255, 0.2157, 0.1372
CMYK	0.22, 0.09, 0.00, 0.14
HSL	205°, 41%, 77%
HSV	205°, 22%, 86%
XYZ	50.5858, 55.2465, 75.7076
YIQ	193.9080, -23.1080, 0.2840

Conversions

Conversions Part 2

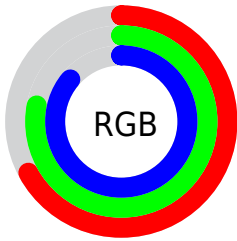
Format	Color
RYB	172, 190, 220
Decimal	11323612
CIELab	79.18, -5.07, -13.07
CIELCh	79, 14.025, 248.789
Yxy	55.2465, 0.2786, 0.3043
Android (android.graphics.Color)	4289513692 (0xFFACC8DC)
YUV	193.9080, 12.8634, -19.2133
Hunter-Lab	74.3280, -8.5913, -8.3609

Details

The XYZ color **50.5858, 55.2465, 75.7076** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.8118, 55.8937, 46.8780**, and the grayscale version is **51.1612, 53.8256, 58.6161**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **24.6782, 27.1963, 39.5460** is the 20% darker color. If you saturate the color by 10%, you get **44.0921, 48.8428, 74.8147**, and if you desaturate by 10%, it is **58.0094, 62.3213, 76.6828**.

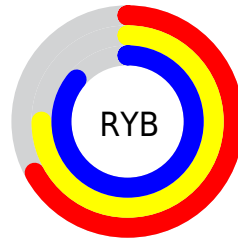
Distribution



Red (67%)

Green (78%)

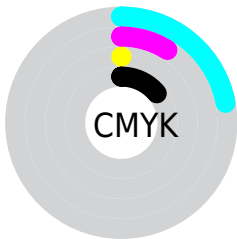
Blue (86%)



Red (67%)

Yellow (75%)

Blue (86%)

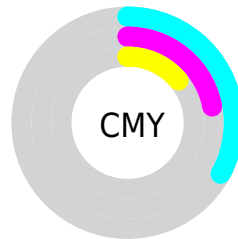


Cyan (22%)

Magenta (9%)

Yellow (0%)

Black (14%)



Cyan (33%)

Magenta (22%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5858, 55.2465, 75.7076 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 50.5858, 55.2465, 75.7076 by changing the saturation by 10% instead.

■ 50.5858, 55.2465,
75.7076

■ 50.5858, 55.2465,
75.7076

379.3666,
406.8456, 499.6663

■ 36.0988, 39.5991,
55.6876

■ 90.2289, 97.9020,
129.0698

■ 24.6810, 27.2261,
39.5502

116.1156,
125.6789, 163.2490

■ 15.9670, 17.7431,
26.8769

146.5330,
158.2678, 202.9851

■ 9.5915, 10.7657,
17.2491

181.8463,
196.0531, 248.6965

■ 5.1891, 5.9095,
10.2485

222.4210,
239.4191, 300.8017

■ 2.3946, 2.7901,
5.4562

268.6224,

■ 0.8424, 1.0232,

288.7503, 359.7195

2.4540

320.8158,
344.4310, 425.8681

■ 0.0000, 0.0000,
0.8156

■ 0.0000, 0.0000,
0.0000

■ 50.5858, 55.2465,
75.7076

■ 50.5858, 55.2465,
75.7076

■ 44.0921, 48.8428,
74.8147

■ 58.0094, 62.3213,
76.6828

■ 38.4819, 43.0787,
73.9978

■ 66.3966, 70.0837,
77.7390

■ 33.7118, 37.9301,
73.2555

■ 75.7857, 78.5577,
78.8798

■ 29.7327, 33.3680,
72.5846

■ 84.3462, 86.8030,
80.0201

■ 26.4898, 29.3608,
71.9821

■ 87.0633, 92.2370,
80.9258

■ 23.9205, 25.8724,
71.4441

■ 89.9178, 97.9462,
81.8774

■ 21.9502, 22.8605,
70.9666

■ 89.9184, 97.9474,
81.8775

■ 20.6826, 20.6957,
70.6156

Harmonies

Analogous

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



48.4235, 55.2465, 70.3420



50.5858, 55.2465, 75.7076



53.3373, 55.2465, 76.7189

Triad

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



50.5858, 55.2465, 75.7076



58.0138, 55.2465, 57.8282



49.2084, 55.2465, 48.9159

Complementary

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



50.5858, 55.2465, 75.7076



55.8118, 55.8937, 46.8780

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.



51.6916, 55.2465, 46.1637



50.5858, 55.2465, 75.7076



56.8204, 55.2465, 51.0006

Square

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



50.5858, 55.2465, 75.7076



57.6921, 55.2465, 65.9083



54.4827, 55.2465, 46.8915



47.6482, 55.2465, 54.7449

Rectangle

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



50.5858, 55.2465, 75.7076



55.1464, 55.2465, 74.7079



54.4827, 55.2465, 46.8915



49.9592, 55.2465, 47.6249

Sweetspot

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



50.5875, 55.2487, 75.7089



86.4585, 92.1170, 107.8312



52.0336, 63.7285, 58.9652



18.3540, 19.5762, 23.0612



0.0000, 0.0000, 0.0000



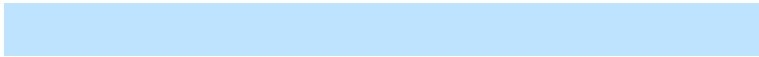
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5875, 55.2487, 75.7089



66.5345, 73.1457, 105.2195



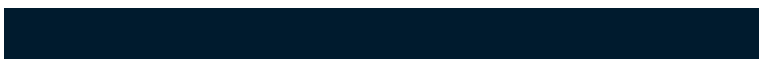
45.6154, 45.3046, 74.0515



12.9666, 13.8729, 16.6465



12.2507, 12.3707, 41.4805



0.8780, 0.9702, 2.7154

Inverse Universe

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



54.6944, 48.8922, 61.2005



73.2905, 63.0932, 81.2623



61.3140, 66.8980, 48.7120



13.3730, 13.1783, 15.2255



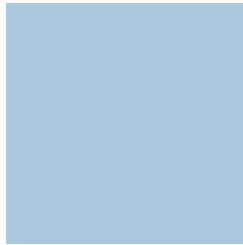
19.6789, 9.8726, 13.2210



1.3175, 0.6566, 1.0807

Previews

White Background



This preview shows how the XYZ color 50.5858, 55.2465, 75.7076 looks on a white background.

Color Contrast Check

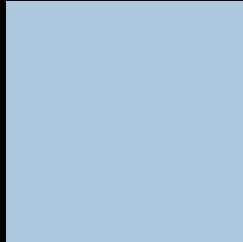
Large Text (above 18pt) WCAG AA × Fail

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 50.5858, 55.2465, 75.7076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

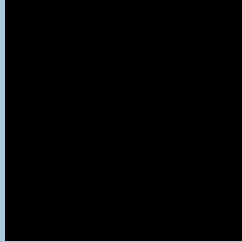
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

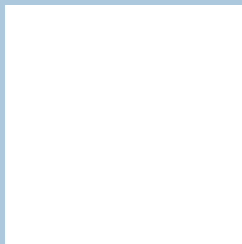
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5858, 55.2465, 75.7076

Background



This preview shows how black text looks on a background with the XYZ color 50.5858, 55.2465, 75.7076.



This preview shows how white text looks on a background with the XYZ color 50.5858, 55.2465,

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

50.5858, 55.2465, 75.7076

Protanopia

53.6788, 54.8789, 72.7293

Deuteranopia

56.1727, 55.0921, 76.7805



Tritanopia

50.2056, 55.4410, 73.7007

Trichromacy



Original Color

50.5858, 55.2465, 75.7076

Protanomaly

52.2719, 54.8039, 73.4688

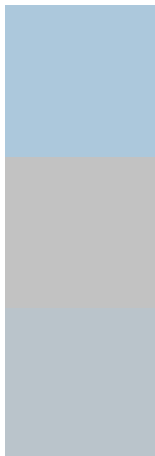
Deuteranomaly

53.8288, 54.8804, 76.1625

Tritanomaly

50.3361, 55.4932, 74.3879

Monochromacy



Original Color

50.5858, 55.2465, 75.7076

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.7691, 54.2308, 64.2917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5858, 55.2465, 75.7076 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(172, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 220)  
}
```

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(172, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 220) }
```

Border

The CSS property to change the border of an element to XYZ 50.5858, 55.2465, 75.7076 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(172, 200, 220) }
```


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

```
.border{ border-color:rgb(172, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 200, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 200, 220); box-shadow:4px 4px 4px 4px rgb(172, 200, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5858, 55.2465, 75.7076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 220) }
```

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

```
.background{ background-color: rgb(172,  
200, 220) }
```

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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