

Converting Colors

XYZ(49.0472, 53.7950, 80.5490)

Have a look what the booklet for
XYZ(49.0472, 53.7950, 80.5490)
contains.

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Color

**XYZ(48.9595, 53.6156,
80.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C6E3
RGB	162, 198, 227
RGB Percent	64%, 78%, 89%
CMY	0.3647, 0.2235, 0.1098
CMYK	0.29, 0.13, 0.00, 0.11
HSL	207°, 54%, 76%
HSV	207°, 29%, 89%
XYZ	48.9595, 53.6156, 80.4414
YIQ	190.5420, -30.7650, 1.3870

Conversions

Conversions Part 2

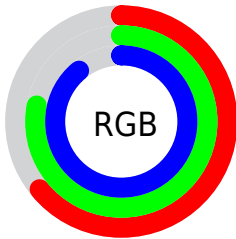
Format	Color
R _Y B	162, 185, 227
Decimal	10667747
CIE Lab	78.24, -5.39, -18.32
CIE LCh	78, 19.100, 253.619
Yxy	53.6156, 0.2675, 0.2930
Android (android.graphics.Color)	4288857827 (0xFFA2C6E3)
YUV	190.5420, 17.9738, -25.0313
Hunter-Lab	73.2227, -8.7877, -13.8793

Details

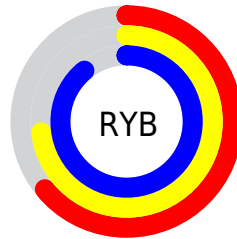
The XYZ color **48.9595, 53.6156, 80.4414** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8317, 56.2016, 42.0365**, and the grayscale version is **49.1697, 51.7303, 56.3343**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **23.7263, 26.1763, 42.8317** is the 20% darker color. If you saturate the color by 10%, you get **42.5203, 46.9750, 79.4999**, and if you desaturate by 10%, it is **56.3891, 60.9992, 81.4759**.

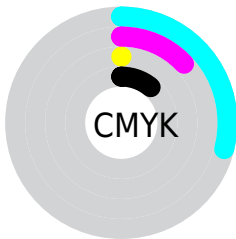
Distribution



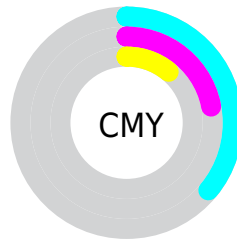
- Red (64%)
- Green (78%)
- Blue (89%)



- Red (64%)
- Yellow (73%)
- Blue (89%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9595, 53.6156, 80.4414 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 48.9595, 53.6156, 80.4414 by changing the saturation by 10% instead.

■ 48.9595, 53.6156,
80.4414

■ 48.9595, 53.6156,
80.4414

373.1025,
400.6425, 516.1651

■ 34.8018, 38.2944,
59.5533

■ 87.8324, 95.5096,
135.8031

■ 23.6760, 26.2113,
42.6358

■ 113.2782,
122.8512, 171.1139

■ 15.2169, 16.9818,
29.2702

143.2175,
154.9685, 212.0693

■ 9.0590, 10.2215,
19.0380

178.0155,
192.2457, 259.0879

■ 4.8371, 5.5461,
11.5206

218.0377,
235.0673, 312.5883

■ 2.1858, 2.5711,
6.2996

263.6493,

■ 0.7352, 0.9121,

283.8177, 372.9889

2.9564

315.2158,
338.8813, 440.7083

■ 0.0000, 0.0000,
1.0724

■ 0.0000, 0.0000,
0.0000

■ 48.9595, 53.6156,
80.4414

■ 48.9595, 53.6156,
80.4414

■ 42.5203, 46.9750,
79.4999

■ 56.3891, 60.9992,
81.4759

■ 37.0188, 41.0418,
78.6447

■ 64.8486, 69.1464,
82.6026

■ 32.4044, 35.7867,
77.8735

■ 74.3811, 78.0852,
83.8255

■ 28.6197, 31.1753,
77.1829

■ 85.0257, 87.8397,
85.1473

■ 25.5991, 27.1689,
76.5688

■ 88.8696, 94.3348,
86.1984

■ 23.2662, 23.7231,
76.0267

■ 90.8653, 98.3261,
86.8636

■ 21.5082, 20.7744,
75.5502

■ 21.2917, 20.3989,
75.4891

Harmonies

Analogous

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



45.9311, 53.6156, 73.7637



48.9595, 53.6156, 80.4414



52.6715, 53.6156, 80.7598

Triad

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



48.9595, 53.6156, 80.4414



58.2706, 53.6156, 53.6635



46.1600, 53.6156, 44.7066

Complementary

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



48.9595, 53.6156, 80.4414



56.8317, 56.2016, 42.0365

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.



49.2860, 53.6156, 40.5686



48.9595, 53.6156, 80.4414



56.3432, 53.6156, 45.2964

Square

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



48.9595, 53.6156, 80.4414



58.1726, 53.6156, 64.3789



53.0143, 53.6156, 40.7704



44.3697, 53.6156, 52.7626

Rectangle

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



48.9595, 53.6156, 80.4414



55.0446, 53.6156, 77.2551



53.0143, 53.6156, 40.7704



47.0826, 53.6156, 42.8579

Sweetspot

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



48.9612, 53.6177, 80.4426



83.9252, 89.5447, 107.4683



51.6831, 66.3456, 58.8940



17.6017, 18.8216, 22.9552



0.0000, 0.0000, 0.0000



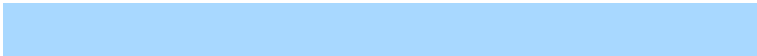
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9612, 53.6177, 80.4426



58.9006, 64.8541, 104.0214



42.4636, 40.6227, 78.2768



14.2414, 15.2042, 18.3284



12.5354, 12.1329, 44.0644



1.0187, 1.0813, 3.2870

Inverse Universe

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



54.7933, 46.2502, 59.4677



67.7343, 54.3506, 72.1042



64.4998, 71.5379, 44.5925



14.7094, 14.5010, 16.6703



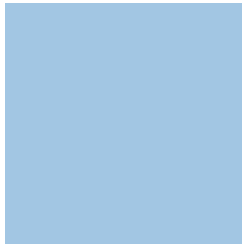
20.7208, 10.4225, 12.6906



1.5778, 0.7888, 1.1833

Previews

White Background



This preview shows how the XYZ color 48.9595, 53.6156, 80.4414 looks on a white background.

Color Contrast Check

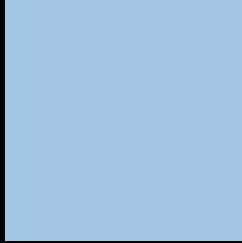
Large Text (above 18pt) WCAG AA × Fail

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 48.9595, 53.6156, 80.4414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

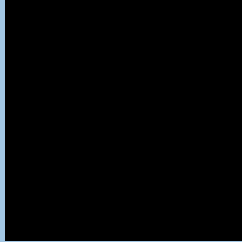
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

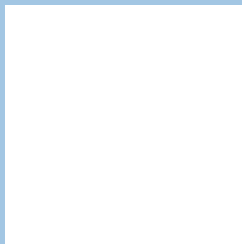
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9595, 53.6156, 80.4414

Background



This preview shows how black text looks on a background with the XYZ color 48.9595, 53.6156, 80.4414.



This preview shows how white text looks on a background with the XYZ color 48.9595, 53.6156,

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

48.9595, 53.6156, 80.4414

Protanopia

52.4436, 53.1541, 77.3077

Deuteranopia

54.5886, 53.5217, 81.5823



Tritanopia

47.5462, 53.7400, 72.8327

Trichromacy



Original Color

48.9595, 53.6156, 80.4414

Protanomaly

51.1064, 53.4304, 78.1405

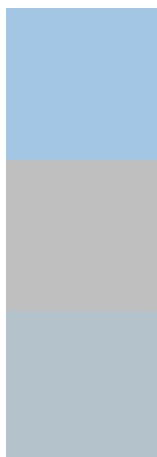
Deuteranomaly

52.1446, 53.2458, 80.9279

Tritanomaly

48.0396, 53.5912, 75.5223

Monochromacy



Original Color

48.9595, 53.6156, 80.4414

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.0133, 52.6465, 64.7053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9595, 53.6156, 80.4414 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(162, 198, 227)` looks like.

```
.text, #text, p{  
    color:rgb(162, 198, 227)  
}
```

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(162, 198, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 198, 227) }
```

Border

The CSS property to change the border of an element to XYZ 48.9595, 53.6156, 80.4414 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(162, 198, 227) }
```


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

```
.border{ border-color:rgb(162, 198, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 198, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 198, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 198, 227);  
box-shadow:4px 4px 4px 4px rgb(162, 198,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9595, 53.6156, 80.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 198, 227) }
```

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

```
.background{ background-color: rgb(162,  
198, 227) }
```

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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