

Converting Colors

XYZ(48.4470, 54.3910, 64.4450)

Have a look what the booklet for
XYZ(48.4470, 54.3910, 64.4450)
contains.

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Color

**XYZ(48.4470, 54.3910,
64.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC8CB
RGB	172, 200, 203
RGB Percent	67%, 78%, 80%
CMY	0.3255, 0.2157, 0.2039
CMYK	0.15, 0.01, 0.00, 0.20
HSL	186°, 23%, 74%
HSV	186°, 15%, 80%
XYZ	48.4470, 54.3910, 64.4450
YIQ	191.9700, -17.6510, -5.0030

Conversions

Conversions Part 2

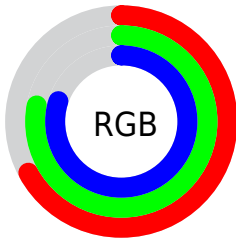
Format	Color
R _Y B	172, 187, 203
Decimal	11323595
CIE Lab	78.69, -8.74, -4.66
CIE LCh	79, 9.906, 208.092
Yxy	54.3910, 0.2896, 0.3251
Android (android.graphics.Color)	4289513675 (0xFFACC8CB)
YUV	191.9700, 5.4378, -17.5137
Hunter-Lab	73.7503, -11.8052, -0.1841

Details

The XYZ color **48.4470, 54.3910, 64.4450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4053, 46.3349, 45.4756**, and the grayscale version is **50.0633, 52.6705, 57.3582**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **23.3114, 26.6496, 32.3490** is the 20% darker color. If you saturate the color by 10%, you get **43.8764, 51.3657, 64.1028**, and if you desaturate by 10%, it is **53.7072, 57.7833, 64.8234**.

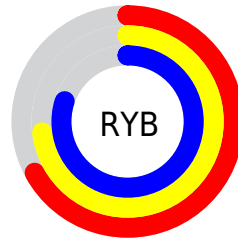
Distribution



Red (67%)

Green (78%)

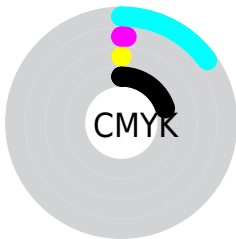
Blue (80%)



Red (67%)

Yellow (73%)

Blue (80%)

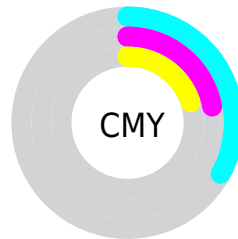


Cyan (15%)

Magenta (1%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (22%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4470, 54.3910, 64.4450 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 48.4470, 54.3910, 64.4450 by changing the saturation by 10% instead.

■ 48.4470, 54.3910,
64.4450

■ 48.4470, 54.3910,
64.4450

371.1144,
403.5993, 459.0463

■ 34.3937, 38.9143,
46.5627

■ 87.0752, 96.6481,
112.8572

■ 23.3606, 26.6931,
32.3382

112.3809,
124.1973, 144.2242

■ 14.9821, 17.3429,
21.3530

142.1681,
156.5396, 180.9231

■ 8.8931, 10.4792,
13.1885

176.8022,
194.0592, 223.3726

■ 4.7281, 5.7179,
7.4263

216.6485,
237.1405, 271.9911

■ 2.1217, 2.6743,
3.6476

262.0724,

■ 0.7010, 0.9642,

286.1681, 327.1972

1.4341

313.4392,
341.5262, 389.4094

■ 0.0000, 0.0000,
0.1681

■ 0.0000, 0.0000,
0.0000

■ 48.4470, 54.3910,
64.4450

■ 48.4470, 54.3910,
64.4450

■ 43.8764, 51.3657,
64.1028

■ 53.7072, 57.7833,
64.8234

■ 39.9598, 48.6848,
63.7918

■ 59.6811, 61.5508,
65.2358

■ 36.6656, 46.3333,
63.5115

■ 66.3974, 65.7098,
65.6845

■ 33.9578, 44.2927,
63.2604

■ 73.8819, 70.2736,
66.1709

■ 31.7966, 42.5423,
63.0364

■ 75.0213, 71.5751,
66.3621

■ 30.1370, 41.0591,
62.8376

■ 75.5083, 72.5491,
66.5244

■ 28.9271, 39.8162,
62.6615

■ 76.0012, 73.5350,
66.6888

■ 28.1033, 38.7808,
62.5050

■ 76.5002, 74.5329,
66.8551

■ 27.7905, 38.3336,
62.4352

■ 77.0051, 75.5428,
67.0234

Harmonies

Analogous

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



48.0256, 54.3910, 58.8643



48.4470, 54.3910, 64.4450



49.7329, 54.3910, 68.8529

Triad

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



48.4470, 54.3910, 64.4450



54.9585, 54.3910, 65.1051



51.8225, 54.3910, 49.0888

Complementary

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



48.4470, 54.3910, 64.4450



47.4053, 46.3349, 45.4756

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.



53.7122, 54.3910, 50.5348



48.4470, 54.3910, 64.4450



55.5509, 54.3910, 59.5823

Square

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



48.4470, 54.3910, 64.4450



53.4898, 54.3910, 69.2506



55.0892, 54.3910, 54.2902



49.9448, 54.3910, 50.2125

Rectangle

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



48.4470, 54.3910, 64.4450



50.9242, 54.3910, 70.4090



55.0892, 54.3910, 54.2902



52.4776, 54.3910, 49.2885

Sweetspot

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



48.4486, 54.3933, 64.4462



90.1218, 96.8775, 108.5570



46.0671, 54.5623, 48.4477



19.1468, 20.6446, 23.2256



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.



48.4486, 54.3933, 64.4462



78.7334, 89.5111, 107.7354



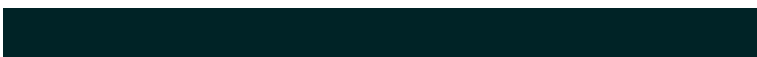
45.1252, 47.7465, 63.3384



11.4470, 12.5344, 14.3864



17.7225, 24.4690, 39.7452



0.9418, 1.3174, 2.0596

Inverse Universe

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



49.8077, 46.3728, 60.9719



81.4086, 73.8475, 100.8687



50.5074, 52.5390, 46.5097



11.6390, 11.3843, 13.8994



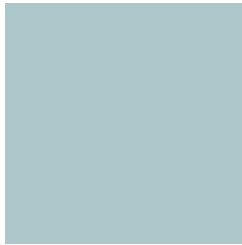
21.1564, 10.2732, 29.6060



1.1053, 0.5355, 1.6006

Previews

White Background



This preview shows how the XYZ color 48.4470, 54.3910, 64.4450 looks on a white background.

Color Contrast Check

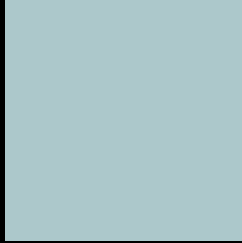
Large Text (above 18pt) WCAG AA × Fail

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 48.4470, 54.3910, 64.4450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

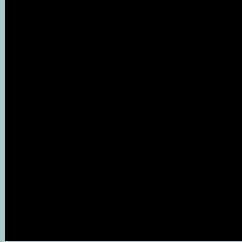
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

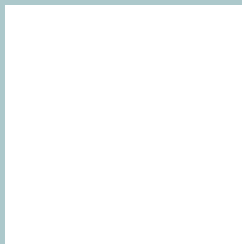
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4470, 54.3910, 64.4450

Background



This preview shows how black text looks on a background with the XYZ color 48.4470, 54.3910, 64.4450.



This preview shows how white text looks on a background with the XYZ color 48.4470, 54.3910,

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

48.4470, 54.3910, 64.4450

Protanopia

52.1437, 53.9992, 61.7075

Deuteranopia

55.2295, 54.2129, 65.3108



Tritanopia

49.7872, 54.2419, 71.4640

Trichromacy



Original Color

48.4470, 54.3910, 64.4450

Protanomaly

50.6588, 54.2148, 62.4381

Deuteranomaly

52.4747, 54.1017, 64.8037

Tritanomaly

49.2899, 54.3842, 68.8721

Monochromacy



Original Color

48.4470, 54.3910, 64.4450

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4865, 53.3300, 59.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4470, 54.3910, 64.4450 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.4470, 54.3910, 64.4450 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, 203) }
```


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

```
.border{ border-color:rgb(172, 200, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 203);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4470, 54.3910, 64.4450 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, 203) }
```

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

```
.background{ background-color: rgb(172,  
200, 203) }
```

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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