

Converting Colors

XYZ(48.8687, 54.2805, 39.4848)

Have a look what the booklet for
XYZ(48.8687, 54.2805, 39.4848)
contains.

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Color

**XYZ(48.7320, 54.0686,
39.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C59C
RGB	196, 197, 156
RGB Percent	77%, 77%, 61%
CMY	0.2314, 0.2274, 0.3882
CMYK	0.01, 0.00, 0.21, 0.23
HSL	61°, 26%, 69%
HSV	61°, 21%, 77%
XYZ	48.7320, 54.0686, 39.3203
YIQ	192.0270, 12.5650, -12.9630

Conversions

Conversions Part 2

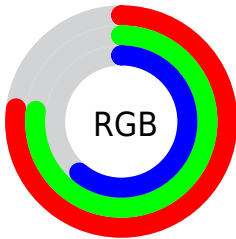
Format	Color
RYB	156, 197, 157
Decimal	12895644
CIELab	78.50, -7.15, 20.51
CIELCh	79, 21.720, 109.216
Yxy	54.0686, 0.3429, 0.3804
Android (android.graphics.Color)	4291085724 (0xFFC4C59C)
YUV	192.0270, -17.7613, 3.4843
Hunter-Lab	73.5314, -10.3812, 19.7671

Details

The XYZ color **48.7320, 54.0686, 39.3203** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8732, 34.9776, 57.6870**, and the grayscale version is **50.2152, 52.8303, 57.5322**.

A 20% lighter version of the original color is **87.7077, 96.4694, 75.6258**, and **23.5276, 26.4156, 17.2233** is the 20% darker color. If you saturate the color by 10%, you get **47.0726, 53.3922, 31.2297**, and if you desaturate by 10%, it is **50.6653, 54.8583, 48.8383**.

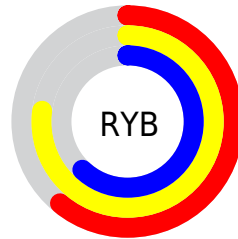
Distribution



Red (77%)

Green (77%)

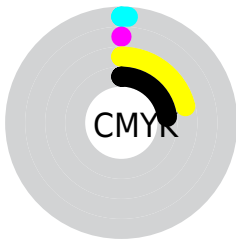
Blue (61%)



Red (61%)

Yellow (77%)

Blue (62%)

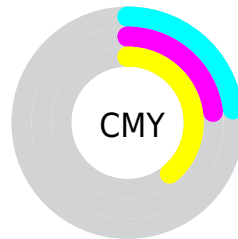


Cyan (1%)

Magenta (0%)

Yellow (21%)

Black (23%)



Cyan (23%)

Magenta (23%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7320, 54.0686, 39.3203 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 48.7320, 54.0686, 39.3203 by changing the saturation by 10% instead.

■ 48.7320, 54.0686,
39.3203

■ 48.7320, 54.0686,
39.3203

372.2208,
402.3715, 358.7169

■ 34.6206, 38.6565,
26.6992

■ 87.4964, 96.1750,
75.3531

■ 23.5359, 26.4926,
17.1170

■ 112.8801,
123.6380, 99.6019

■ 15.1126, 17.1925,
10.1551

142.7520,
155.8869, 128.5638

■ 8.9853, 10.3719,
5.3950

177.4773,
193.3059, 162.6571

■ 4.7886, 5.6462,
2.4181

217.4215,
236.2795, 202.3006

■ 2.1572, 2.6312,
0.7963

262.9499,

■ 0.7201, 0.9424,

285.1920, 247.9127

0.0000

314.4279,
340.4279, 299.9119

■ 0.0000, 0.0000,
0.0000

■ 48.7320, 54.0686,
39.3203

■ 48.7320, 54.0686,
39.3203

■ 47.0726, 53.3922,
31.2297

■ 50.6653, 54.8583,
48.8383

■ 45.6697, 52.8166,
24.4944

■ 52.8803, 55.7589,
59.8442

■ 44.5108, 52.3386,
19.0413

■ 55.3899, 56.7773,
72.3993

■ 43.5802, 51.9521,
14.7890

■ 58.2049, 57.9180,
86.5602

■ 42.8609, 51.6501,
11.6470

■ 61.3355, 59.1849,
102.3809

■ 42.3332, 51.4247,
9.5115

■ 61.5430, 59.2827,
102.8068

■ 41.9737, 51.2667,
8.2597

■ 61.6712, 59.3488,
102.8128

■ 41.7511, 51.1647,
7.6753

■ 61.7997, 59.4150,
102.8188

■ 61.9287, 59.4815,
102.8248

Harmonies

Analogous

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



52.9442, 54.0686, 38.6396



48.7320, 54.0686, 39.3203



45.4138, 54.0686, 44.7926

Triad

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



48.7320, 54.0686, 39.3203



46.2055, 54.0686, 78.5587



59.8968, 54.0686, 63.3875

Complementary

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



48.7320, 54.0686, 39.3203



35.8732, 34.9776, 57.6870

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.



57.8700, 54.0686, 75.6288



48.7320, 54.0686, 39.3203



49.8677, 54.0686, 85.1609

Square

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



48.7320, 54.0686, 39.3203



44.0120, 54.0686, 66.9657



54.1441, 54.0686, 84.0200



59.5509, 54.0686, 51.4574

Rectangle

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



48.7320, 54.0686, 39.3203



44.0814, 54.0686, 50.9060



54.1441, 54.0686, 84.0200



59.4661, 54.0686, 67.6274

Sweetspot

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



48.7334, 54.0710, 39.3215



92.5459, 98.9824, 96.4324



41.0319, 38.2789, 36.6792



19.7528, 21.1636, 20.3631



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.



48.7334, 54.0710, 39.3215



85.8593, 96.2576, 63.4889



43.8321, 51.5443, 39.0921



11.4972, 12.4033, 11.3509



27.4710, 33.6571, 5.0486



1.3091, 1.5979, 0.2394

Inverse Universe

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



35.8732, 34.9776, 57.6870



58.6797, 55.9034, 102.3054



40.1414, 37.1780, 57.8867



10.0803, 10.2997, 13.3742



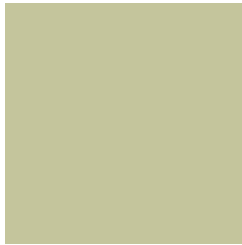
6.6788, 2.6773, 34.9091



0.3248, 0.1312, 1.6533

Previews

White Background



This preview shows how the XYZ color 48.7320, 54.0686, 39.3203 looks on a white background.

Color Contrast Check

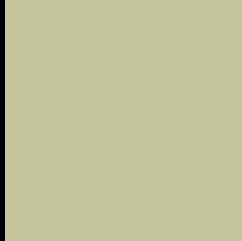
Large Text (above 18pt) WCAG AA × Fail

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 48.7320, 54.0686, 39.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

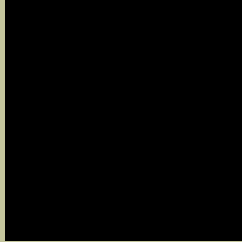
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

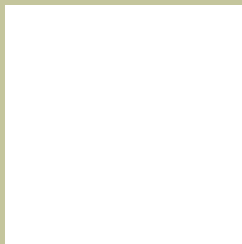
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7320, 54.0686, 39.3203

Background



This preview shows how black text looks on a background with the XYZ color 48.7320, 54.0686, 39.3203.



This preview shows how white text looks on a background with the XYZ color 48.7320, 54.0686,

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

48.7320, 54.0686, 39.3203

Protanopia

50.5781, 54.0385, 38.3366

Deuteranopia

54.9932, 54.0168, 39.8756



Tritanopia

54.0615, 53.9312, 65.3180

Trichromacy



Original Color

48.7320, 54.0686, 39.3203

Protanomaly

49.7886, 53.9533, 38.8002

Deuteranomaly

52.4482, 53.9921, 39.5555

Tritanomaly

51.8590, 54.0071, 54.7049

Monochromacy



Original Color

48.7320, 54.0686, 39.3203

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4208, 53.1757, 50.3070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7320, 54.0686, 39.3203 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(196, 197, 156)` looks like.

```
.text, #text, p{  
    color:rgb(196, 197, 156)  
}
```

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(196, 197, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 197, 156) }
```

Border

The CSS property to change the border of an element to XYZ 48.7320, 54.0686, 39.3203 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(196, 197, 156) }
```


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

```
.border{ border-color:rgb(196, 197, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 197, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 197, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 197, 156);  
box-shadow:4px 4px 4px 4px rgb(196, 197,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7320, 54.0686, 39.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 197, 156) }
```

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

```
.background{ background-color: rgb(196,  
197, 156) }
```

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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