

Converting Colors

XYZ(48.7234, 53.6401, 45.6802)

Have a look what the booklet for
XYZ(48.7234, 53.6401, 45.6802)
contains.

XYZ(48.7339, 53.5886, 45.8053)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.7339, 53.5886,
45.8053)**

Conversions

Conversions Part 1

Format	Color
Hex	C0C4AA
RGB	192, 196, 170
RGB Percent	75%, 77%, 67%
CMY	0.2471, 0.2314, 0.3333
CMYK	0.02, 0.00, 0.13, 0.23
HSL	69°, 18%, 72%
HSV	69°, 13%, 77%
XYZ	48.7339, 53.5886, 45.8053
YIQ	191.8400, 5.9620, -8.9340

Conversions

Conversions Part 2

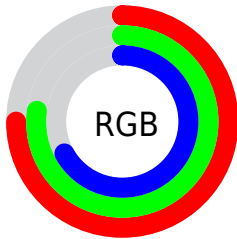
Format	Color
RYB	170, 196, 174
Decimal	12633258
CIELab	78.22, -5.93, 12.59
CIElCh	78, 13.920, 115.236
Yxy	53.5886, 0.3290, 0.3618
Android (android.graphics.Color)	4290823338 (0xFFC0C4AA)
YUV	191.8400, -10.7671, 0.1403
Hunter-Lab	73.2042, -9.2755, 14.1441

Details

The XYZ color **48.7339, 53.5886, 45.8053** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.7961, 41.7351, 58.0802**, and the grayscale version is **50.0692, 52.6767, 57.3649**.

A 20% lighter version of the original color is **87.4273, 95.6433, 85.0872**, and **23.4242, 26.0573, 20.9345** is the 20% darker color. If you saturate the color by 10%, you get **46.2605, 52.5136, 36.7217**, and if you desaturate by 10%, it is **51.5024, 54.7870, 56.3479**.

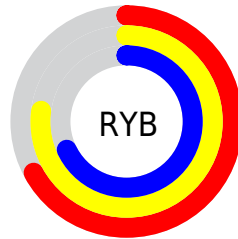
Distribution



Red (75%)

Green (77%)

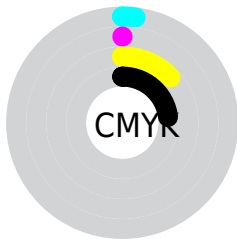
Blue (67%)



Red (67%)

Yellow (77%)

Blue (68%)

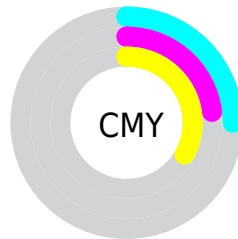


Cyan (2%)

Magenta (0%)

Yellow (13%)

Black (23%)



Cyan (25%)

Magenta (23%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7339, 53.5886, 45.8053 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 48.7339, 53.5886, 45.8053 by changing the saturation by 10% instead.

■ 48.7339, 53.5886,
45.8053

■ 48.7339, 53.5886,
45.8053

372.2282,
400.5393, 386.2802

■ 34.6221, 38.2729,
31.7447

■ 87.4992, 95.4699,
85.2587

■ 23.5371, 26.1945,
20.9033

112.8834,
122.8043, 111.4886

■ 15.1134, 16.9692,
12.8628

142.7558,
154.9137, 142.6120

■ 8.9859, 10.2126,
7.2045

177.4818,
192.1824, 179.0474

■ 4.7890, 5.5401,
3.5100

217.4267,
234.9950, 221.2134

■ 2.1575, 2.5675,
1.3606

262.9558,

■ 0.7202, 0.9104,

283.7357, 269.5285

0.1107

314.4345,
338.7890, 324.4112

■ 0.0000, 0.0000,
0.0000

■ 48.7339, 53.5886,
45.8053

■ 48.7339, 53.5886,
45.8053

■ 46.2605, 52.5136,
36.7217

■ 51.5024, 54.7870,
56.3479

■ 44.0655, 51.5500,
29.0296

■ 54.5731, 56.1063,
68.4064

■ 42.1372, 50.6949,
22.6610

■ 57.9585, 57.5532,
82.0388

■ 40.4613, 49.9426,
17.5410

■ 61.6687, 59.1320,
97.2988

■ 39.0220, 49.2866,
13.5873

■ 63.5484, 59.9804,
102.8358

■ 37.8018, 48.7200,
10.7076

■ 64.4002, 60.4195,
102.8756

■ 36.7803, 48.2347,
8.7958

■ 65.2682, 60.8670,
102.9162

■ 35.9332, 47.8208,
7.7240

■ 66.1525, 61.3229,
102.9576

■ 35.4304, 47.5702,
7.3146

■ 67.0532, 61.7872,
102.9998

Harmonies

Analogous

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



51.3706, 53.5886, 44.6412



48.7339, 53.5886, 45.8053



46.7518, 53.5886, 50.2071

Triad

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



48.7339, 53.5886, 45.8053



48.0059, 53.5886, 71.5589



56.3340, 53.5886, 59.6036

Complementary

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



48.7339, 53.5886, 45.8053



41.7961, 41.7351, 58.0802

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.



55.3592, 53.5886, 67.3264



48.7339, 53.5886, 45.8053



50.5006, 53.5886, 74.6094

Square

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



48.7339, 53.5886, 45.8053



46.3421, 53.5886, 64.9803



53.2001, 53.5886, 72.9958



55.8203, 53.5886, 52.1847

Rectangle

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



48.7339, 53.5886, 45.8053



46.0359, 53.5886, 54.6092



53.2001, 53.5886, 72.9958



56.1686, 53.5886, 62.2555

Sweetspot

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



48.7353, 53.5909, 45.8065



92.8755, 99.0637, 100.4524



45.1392, 44.8730, 44.3133



19.7938, 21.1669, 21.1718



0.0000, 0.0000, 0.0000



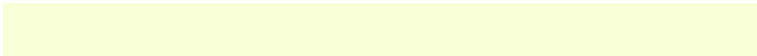
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7353, 53.5909, 45.8065



86.8896, 96.4732, 77.7940



45.6110, 51.9803, 45.6602



10.7562, 11.6773, 10.7489



22.8233, 30.5947, 4.7025



1.0282, 1.3436, 0.2051

Inverse Universe

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



41.7961, 41.7351, 58.0802



71.8085, 70.7054, 104.4705



44.8093, 43.2884, 58.2212



9.6695, 9.8208, 12.6708



6.7966, 2.7642, 33.7319



0.3405, 0.1436, 1.4597

Previews

White Background



This preview shows how the XYZ color 48.7339, 53.5886, 45.8053 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 48.7339, 53.5886, 45.8053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

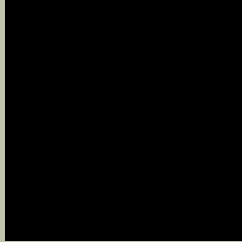
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7339, 53.5886, 45.8053

Background



This preview shows how black text looks on a background with the XYZ color 48.7339, 53.5886, 45.8053.



This preview shows how white text looks on a background with the XYZ color 48.7339, 53.5886,

45.8053.

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

48.7339, 53.5886, 45.8053

Protanopia

50.7664, 53.6636, 44.7282

Deuteranopia

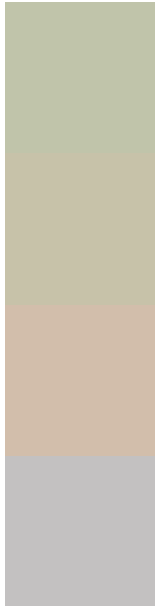
54.5205, 53.3120, 46.4464



Tritanopia

52.7973, 53.5882, 65.9533

Trichromacy



Original Color

48.7339, 53.5886, 45.8053

Protanomaly

50.0064, 53.5903, 45.2445

Deuteranomaly

52.3425, 53.4688, 46.0898

Tritanomaly

51.2013, 53.5923, 58.0978

Monochromacy



Original Color

48.7339, 53.5886, 45.8053

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4599, 52.8071, 52.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7339, 53.5886, 45.8053 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(192, 196, 170)` looks like.

```
.text, #text, p{  
    color:rgb(192, 196, 170)  
}
```

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(192, 196, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 196, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.7339, 53.5886, 45.8053 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(192, 196, 170) }
```


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

```
.border{ border-color:rgb(192, 196, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 196, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 196, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 196, 170); box-shadow:4px 4px 4px 4px rgb(192, 196, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7339, 53.5886, 45.8053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 196, 170) }
```

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

```
.background{ background-color: rgb(192,  
196, 170) }
```

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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