

Converting Colors

XYZ(48.5970, 52.8943, 38.1287)

Have a look what the booklet for
XYZ(48.5970, 52.8943, 38.1287)
contains.

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Color

**XYZ(48.6777, 53.0588,
38.2476)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C7C29A |
| RGB | 199, 194, 154 |
| RGB Percent | 78%, 76%, 60% |
| CMY | 0.2196, 0.2392, 0.3961 |
| CMYK | 0.00, 0.03, 0.23, 0.22 |
| HSL | 53°, 29%, 69% |
| HSV | 53°, 23%, 78% |
| XYZ | 48.6777, 53.0588, 38.2476 |
| YIQ | 190.9350, 15.8200, -11.3800 |

Conversions

Conversions Part 2

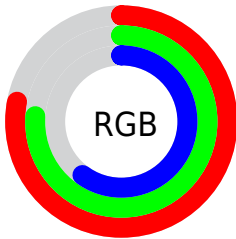
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 160, 199, 154 |
| Decimal | 13091482 |
| CIELab | 77.91, -4.75, 20.80 |
| CIELCh | 78, 21.331, 102.855 |
| Yxy | 53.0588, 0.3477, 0.3790 |
| Android (android.graphics.Color) | 4291281562 (0xFFC7C29A) |
| YUV | 190.9350, -18.2090, 7.0730 |
| Hunter-Lab | 72.8415, -8.1866, 19.8570 |

Details

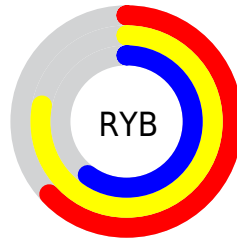
The XYZ color **48.6777, 53.0588, 38.2476** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0332, 35.7889, 59.0418**, and the grayscale version is **49.5805, 52.1626, 56.8051**.

A 20% lighter version of the original color is **86.9342, 94.2347, 73.9288**, and **23.6501, 26.0488, 16.6134** is the 20% darker color. If you saturate the color by 10%, you get **46.6683, 51.4760, 30.0676**, and if you desaturate by 10%, it is **50.9720, 54.7709, 47.8795**.

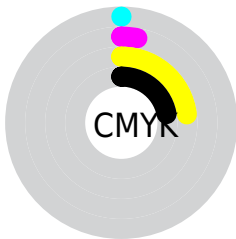
Distribution



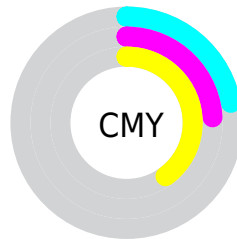
- Red (78%)
- Green (76%)
- Blue (60%)



- Red (63%)
- Yellow (78%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (22%)



- Cyan (22%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6777, 53.0588, 38.2476 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 48.6777, 53.0588, 38.2476 by changing the saturation by 10% instead.


 48.6777, 53.0588,
38.2476

 48.6777, 53.0588,
38.2476


372.0102,
398.5107, 354.0109

 34.5774, 37.8497,
25.8716


 87.4162, 94.6909,
73.6951

 23.5025, 25.8661,
16.5027


 112.7850,
121.8827, 97.6037

 15.0877, 16.7235,
9.7224


142.6408,
153.8375, 126.1936

 8.9677, 10.0375,
5.1121

177.3488,
190.9397, 159.8832

 4.7770, 5.4238,
2.2533

217.2743,
233.5737, 199.0913

 2.1505, 2.4980,
0.7049

262.7828,

 0.7164, 0.8757,

282.1240, 244.2362

0.0000

314.2397,
336.9748, 295.7366

■ 0.0000, 0.0000,
0.0000

■ 48.6777, 53.0588,
38.2476

■ 48.6777, 53.0588,
38.2476

■ 46.6683, 51.4760,
30.0676

■ 50.9720, 54.7709,
47.8795

■ 44.9262, 50.0099,
23.2648

■ 53.5596, 56.6102,
59.0262

■ 43.4378, 48.6570,
17.7631

■ 56.4538, 58.5840,
71.7512

■ 42.1872, 47.4106,
13.4774

■ 59.6659, 60.6968,
86.1132

■ 41.1562, 46.2636,
10.3127

■ 63.2064, 62.9528,
102.1679

■ 40.3240, 45.2076,
8.1599

■ 63.9790, 64.1137,
103.6109

■ 39.6658, 44.2326,
6.8880

■ 64.5189, 65.1934,
103.7908

■ 39.2576, 43.5508,
6.3370

■ 65.0663, 66.2881,
103.9733

■ 65.6212, 67.3980,
104.1582

Harmonies

Analogous

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



52.8178, 53.0588, 38.5846



48.6777, 53.0588, 38.2476



45.2002, 53.0588, 42.5978

Triad

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



48.6777, 53.0588, 38.2476



44.8090, 53.0588, 74.7353



58.4394, 53.0588, 64.7680

Complementary

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



48.6777, 53.0588, 38.2476



36.0332, 35.7889, 59.0418

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.



56.0502, 53.0588, 76.1795



48.6777, 53.0588, 38.2476



48.1168, 53.0588, 82.4530

Square

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



48.6777, 53.0588, 38.2476



43.0503, 53.0588, 63.0024



52.2255, 53.0588, 83.0151



58.6100, 53.0588, 52.8394

Rectangle

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



48.6777, 53.0588, 38.2476



43.6636, 53.0588, 47.9679



52.2255, 53.0588, 83.0151



57.8633, 53.0588, 68.8285

Sweetspot

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



48.6791, 53.0612, 38.2487



91.6791, 97.6454, 94.2512



41.3890, 37.7658, 38.0235



19.5636, 20.8579, 19.9171



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.



48.6791, 53.0612, 38.2487



83.4890, 91.5517, 59.8089



45.4890, 53.0949, 38.4234



11.4195, 12.2081, 11.3173



25.2834, 28.0840, 4.0882



1.2266, 1.3886, 0.2034

Inverse Universe

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



36.0332, 35.7889, 59.0418



57.5819, 56.1693, 102.4146



38.7141, 35.9214, 58.9261



10.1499, 10.4739, 13.4042



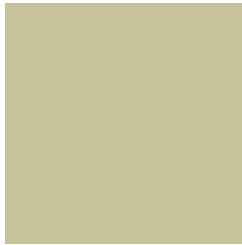
6.8470, 3.0879, 34.9795



0.3569, 0.2116, 1.6672

Previews

White Background



This preview shows how the XYZ color 48.6777, 53.0588, 38.2476 looks on a white background.

Color Contrast Check

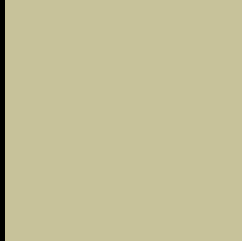
Large Text (above 18pt) WCAG AA × Fail

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 48.6777, 53.0588, 38.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

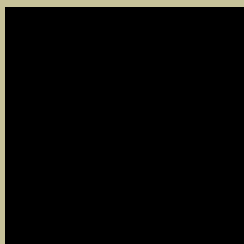
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

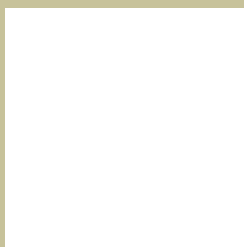
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6777, 53.0588, 38.2476

Background



This preview shows how black text looks on a background with the XYZ color 48.6777, 53.0588, 38.2476.



This preview shows how white text looks on a background with the XYZ color 48.6777, 53.0588,

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

48.6777, 53.0588, 38.2476

Protanopia

49.7762, 52.9783, 37.7393

Deuteranopia

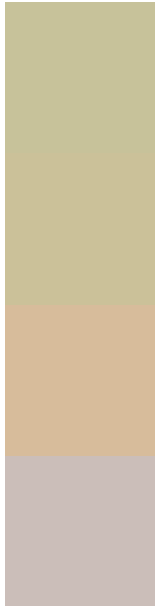
54.0902, 52.9455, 38.8211



Tritanopia

53.6078, 52.7841, 63.2400

Trichromacy



Original Color

48.6777, 53.0588, 38.2476

Protanomaly

49.4483, 53.1363, 37.7871

Deuteranomaly

51.9239, 52.7801, 38.4612

Tritanomaly

51.7990, 53.0262, 53.4039

Monochromacy



Original Color

48.6777, 53.0588, 38.2476

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1337, 52.3830, 49.6408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6777, 53.0588, 38.2476 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(199, 194, 154)` looks like.

```
.text, #text, p{  
    color:rgb(199, 194, 154)  
}
```

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(199, 194, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 194, 154) }
```

Border

The CSS property to change the border of an element to XYZ 48.6777, 53.0588, 38.2476 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(199, 194, 154) }
```


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

```
.border{ border-color:rgb(199, 194, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 194, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 194, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 194, 154);  
box-shadow:4px 4px 4px 4px rgb(199, 194,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6777, 53.0588, 38.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 194, 154) }
```

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

```
.background{ background-color: rgb(199,  
194, 154) }
```

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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