

Converting Colors

XYZ(48.3661, 53.5511, 10.7097)

Have a look what the booklet for
XYZ(48.3661, 53.5511, 10.7097)
contains.

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Color

**XYZ(48.4614, 53.5570,
10.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	D9C231
RGB	217, 194, 49
RGB Percent	85%, 76%, 19%
CMY	0.1490, 0.2392, 0.8078
CMYK	0.00, 0.11, 0.77, 0.15
HSL	52°, 69%, 52%
HSV	52°, 77%, 85%
XYZ	48.4614, 53.5570, 10.6891
YIQ	184.3470, 60.2530, -40.2190

Conversions

Conversions Part 2

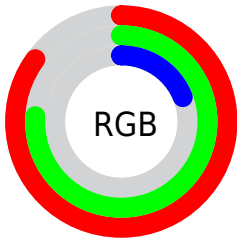
Format	Color
RYB	76, 217, 49
Decimal	14271025
CIELab	78.20, -6.60, 70.16
CIELCh	78, 70.466, 95.376
Yxy	53.5570, 0.4300, 0.4752
Android (android.graphics.Color)	4292461105 (0xFFD9C231)
YUV	184.3470, -66.7261, 28.6367
Hunter-Lab	73.1826, -9.8673, 42.5679

Details

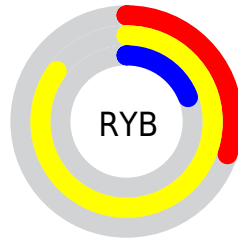
The XYZ color **48.4614, 53.5570, 10.6891** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.1085, 10.2975, 66.7837**, and the grayscale version is **46.0878, 48.4880, 52.8034**.

A 20% lighter version of the original color is **78.0794, 90.6928, 27.3001**, and **23.6254, 26.3189, 3.8349** is the 20% darker color. If you saturate the color by 10%, you get **47.4550, 52.1093, 8.6125**, and if you desaturate by 10%, it is **49.7037, 55.1243, 13.9323**.

Distribution



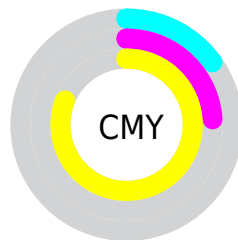
- Red (85%)
- Green (76%)
- Blue (19%)



- Red (30%)
- Yellow (85%)
- Blue (19%)



- Cyan (0%)
- Magenta (11%)
- Yellow (77%)
- Black (15%)



- Cyan (15%)
- Magenta (24%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4614, 53.5570, 10.6891 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 48.4614, 53.5570, 10.6891 by changing the saturation by 10% instead.

■ 48.4614, 53.5570,
10.6891

■ 48.4614, 53.5570,
10.6891

371.1703,
400.4185, 206.1823

■ 34.4052, 38.2476,
5.7467

■ 87.0965, 95.4235,
27.7116

■ 23.3694, 26.1749,
2.6254

■ 112.4062,
122.7494, 40.6288

■ 14.9887, 16.9545,
0.9055

■ 142.1977,
154.8495, 57.0412

■ 8.8977, 10.2021,
0.0000

■ 176.8363,
192.1084, 77.3676

■ 4.7311, 5.5332,
0.0000

■ 216.6876,
234.9103, 102.0263

■ 2.1235, 2.5633,
0.0000

■ 262.1168,

■ 0.7019, 0.9083,

283.6397, 131.4360

0.0000

313.4892,
338.6809, 166.0151

■ 0.0000, 0.0000,
0.0000

■ 48.4614, 53.5570,
10.6891

■ 48.4614, 53.5570,
10.6891

■ 47.4550, 52.1093,
8.6125

■ 49.7037, 55.1243,
13.9323

■ 46.6430, 50.7584,
7.5000

■ 51.2064, 56.8150,
18.4860

■ 46.4487, 50.4189,
7.2837

■ 52.9945, 58.6412,
24.4769

■ 55.0891, 60.6115,
32.0159

■ 57.5093, 62.7337,
41.2028

■ 60.2726, 65.0148,
52.1293

■ 63.3952, 67.4615,
64.8801

■ 66.8921, 70.0798,
79.5346

■ 70.7775, 72.8757,
96.1673

Harmonies

Analogous

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



62.7644, 53.5570, 12.9518



48.4614, 53.5570, 10.6891



37.0510, 53.5570, 15.7388

Triad

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



48.4614, 53.5570, 10.6891



32.2087, 53.5570, 114.2176



78.9971, 53.5570, 96.0003

Complementary

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



48.4614, 53.5570, 10.6891



16.1085, 10.2975, 66.7837

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.



67.8407, 53.5570, 144.6754



48.4614, 53.5570, 10.6891



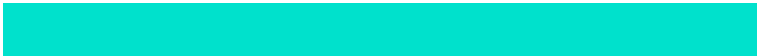
40.6411, 53.5570, 158.1032

Square

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



48.4614, 53.5570, 10.6891



28.8150, 53.5570, 65.7188



53.4280, 53.5570, 171.2213



82.1114, 53.5570, 51.4883

Rectangle

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



48.4614, 53.5570, 10.6891



32.0619, 53.5570, 24.9463



53.4280, 53.5570, 171.2213



75.9757, 53.5570, 112.9445

Sweetspot

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



48.4626, 53.5596, 10.6902



84.4961, 91.7662, 65.6929



30.9566, 17.4459, 8.2506



17.7852, 19.3900, 12.8847



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.



48.4626, 53.5596, 10.6902



67.6132, 73.8336, 11.2536



39.5074, 57.1367, 11.8526



14.0024, 14.9441, 13.8721



28.1754, 30.6363, 4.4284



1.8682, 2.0705, 0.3012

Inverse Universe

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



16.1085, 10.2975, 66.7837



19.4505, 9.6549, 95.4462



19.7833, 10.3827, 66.6065



12.4817, 12.9031, 16.4848



7.9028, 3.6750, 40.0312



0.5594, 0.3328, 2.6092

Previews

White Background



This preview shows how the XYZ color 48.4614, 53.5570, 10.6891 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 48.4614, 53.5570, 10.6891 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 48.4614, 53.5570, 10.6891

Background



This preview shows how black text looks on a background with the XYZ color 48.4614, 53.5570, 10.6891.



This preview shows how white text looks on a background with the XYZ color 48.4614, 53.5570,

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

48.4614, 53.5570, 10.6891

Protanopia

48.4614, 53.5570, 10.6891

Deuteranopia

54.7685, 53.6020, 10.9496



Tritanopia

58.3691, 53.4819, 58.8764

Trichromacy



Original Color

48.4614, 53.5570, 10.6891

Protanomaly

48.4614, 53.5570, 10.6891

Deuteranomaly

52.5347, 53.7068, 10.8464

Tritanomaly

53.1819, 52.9181, 33.0024

Monochromacy



Original Color

48.4614, 53.5570, 10.6891

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.1213, 49.4515, 30.0886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4614, 53.5570, 10.6891 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(217, 194, 49)` looks like.

```
.text, #text, p{  
    color:rgb(217, 194, 49)  
}
```

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(217, 194, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 194, 49) }
```

Border

The CSS property to change the border of an element to XYZ 48.4614, 53.5570, 10.6891 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(217, 194, 49) }
```


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

```
.border{ border-color:rgb(217, 194, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 194, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 194, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 194, 49);  
box-shadow:4px 4px 4px 4px rgb(217, 194,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4614, 53.5570, 10.6891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 194, 49) }
```

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

```
.background{ background-color: rgb(217,  
194, 49) }
```

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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