

Converting Colors

XYZ(49.3122, 60.7174, 11.3055)

Have a look what the booklet for
XYZ(49.3122, 60.7174, 11.3055)
contains.

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Color

**XYZ(49.3890, 60.7348,
11.3104)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD52A
RGB	205, 213, 42
RGB Percent	80%, 84%, 16%
CMY	0.1961, 0.1647, 0.8353
CMYK	0.04, 0.00, 0.80, 0.16
HSL	63°, 67%, 50%
HSV	63°, 80%, 84%
XYZ	49.3890, 60.7348, 11.3104
YIQ	191.1140, 50.1230, -54.8770

Conversions

Conversions Part 2

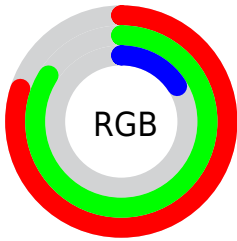
Format	Color
R _Y B	42, 213, 50
Decimal	13489450
CIE Lab	82.24, -21.45, 75.36
CIE LCh	82, 78.351, 105.892
Yxy	60.7348, 0.4067, 0.5001
Android (android.graphics.Color)	4291679530 (0xFFCDD52A)
YUV	191.1140, -73.5132, 12.1780
Hunter-Lab	77.9325, -23.2593, 45.9480

Details

The XYZ color **49.3890, 60.7348, 11.3104** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **14.1553, 7.1394, 63.5865**, and the grayscale version is **49.9822, 52.5851, 57.2652**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **24.4308, 30.9993, 4.6958** is the 20% darker color. If you saturate the color by 10%, you get **48.8307, 60.4821, 9.7959**, and if you desaturate by 10%, it is **50.1542, 61.0750, 13.8933**.

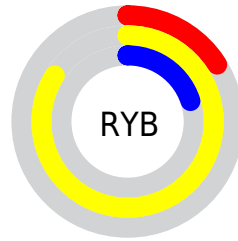
Distribution



Red (80%)

Green (84%)

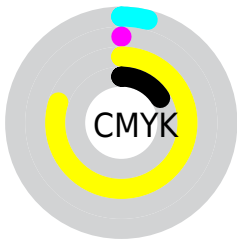
Blue (16%)



Red (16%)

Yellow (84%)

Blue (20%)

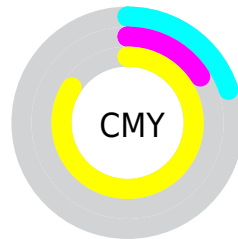


Cyan (4%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (20%)


Magenta (16%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3890, 60.7348, 11.3104 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 49.3890, 60.7348, 11.3104 by changing the saturation by 10% instead.


 49.3890, 60.7348,
11.3104


 49.3890, 60.7348,
11.3104


374.7633,
427.3010, 210.5982

 35.1440, 44.0112,
6.1592


 88.4662, 105.8949,
28.8781

 23.9408, 30.6793,
2.8718


 114.0290,
135.1001, 42.1317


 15.4142, 20.3548,
1.0295


 144.0952,
169.2346, 58.9232

 9.1988, 12.6532,
0.0000

 179.0301,
208.6829, 79.6712

 4.9292, 7.1902,
0.0000

 219.1989,
253.8292, 104.7941

 2.2401, 3.5813,
0.0000

 264.9672,

 0.7638, 1.4422,

305.0581, 134.7106

0.0000

316.7002,
362.7539, 169.8391

■ 0.0000, 0.2475,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3890, 60.7348,
11.3104

■ 49.3890, 60.7348,
11.3104

■ 48.8307, 60.4821,
9.7959

■ 50.1542, 61.0750,
13.8933

■ 48.4331, 60.2924,
9.0849

■ 51.1503, 61.5056,
17.6891

■ 52.4025, 62.0387,
22.8239

■ 53.9315, 62.6828,
29.4072

■ 55.7559, 63.4453,
37.5371

■ 57.8927, 64.3329,
47.3031

■ 60.3578, 65.3520,
58.7880

■ 63.1657, 66.5085,
72.0690

■ 66.3301, 67.8078,
87.2185

Harmonies

Analogous

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



65.8951, 60.7348, 11.0840



49.3890, 60.7348, 11.3104



37.6391, 60.7348, 20.6130

Triad

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



49.3890, 60.7348, 11.3104



38.1721, 60.7348, 156.3377



94.7158, 60.7348, 91.1170

Complementary

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



49.3890, 60.7348, 11.3104



14.1553, 7.1394, 63.5865

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.



83.9282, 60.7348, 152.7792



49.3890, 60.7348, 11.3104



50.2627, 60.7348, 201.0393

Square

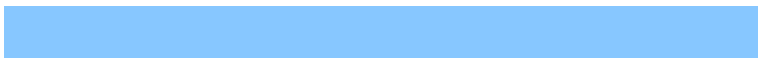
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.3890, 60.7348, 11.3104



32.0661, 60.7348, 94.5776



66.9534, 60.7348, 199.4913



94.3570, 60.7348, 44.0486

Rectangle

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



49.3890, 60.7348, 11.3104



33.1389, 60.7348, 35.2809



66.9534, 60.7348, 199.4913



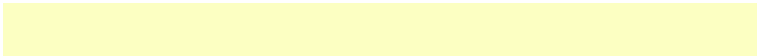
92.1948, 60.7348, 111.1447

Sweetspot

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



49.3904, 60.7376, 11.3117



85.6688, 96.1266, 64.9603



28.9053, 16.4043, 3.8341



18.0921, 20.4734, 12.7886



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.



49.3904, 60.7376, 11.3117



72.9640, 90.6929, 13.9528



32.2125, 51.8821, 10.5077



13.4127, 14.4890, 13.2504



29.6083, 36.8399, 5.5503



1.8039, 2.2313, 0.3356

Inverse Universe

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



14.1553, 7.1394, 63.5865



18.4842, 7.6082, 95.1020



22.5448, 11.4643, 63.9792



11.7959, 12.0362, 15.6390



7.4365, 2.9862, 38.6376



0.4679, 0.1901, 2.3313

Previews

White Background



This preview shows how the XYZ color 49.3890, 60.7348, 11.3104 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 49.3890, 60.7348, 11.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

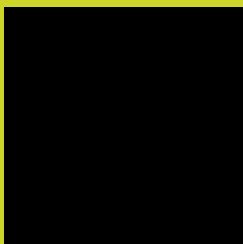
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

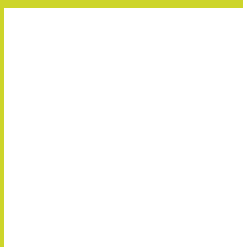
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3890, 60.7348, 11.3104

Background



This preview shows how black text looks on a background with the XYZ color 49.3890, 60.7348, 11.3104.



This preview shows how white text looks on a background with the XYZ color 49.3890, 60.7348,

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

49.3890, 60.7348, 11.3104

Protanopia

54.8475, 60.6388, 10.8212

Deuteranopia

61.5449, 60.2488, 13.6956



Tritanopia

61.5451, 60.3033, 72.0142

Trichromacy



Original Color

49.3890, 60.7348, 11.3104

Protanomaly

52.7749, 60.6440, 11.0217

Deuteranomaly

56.5754, 60.0833, 12.6184

Tritanomaly

54.6734, 59.2424, 37.8315

Monochromacy



Original Color

49.3890, 60.7348, 11.3104

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.7037, 54.3888, 31.6507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3890, 60.7348, 11.3104 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(205, 213, 42)` looks like.

```
.text, #text, p{  
    color:rgb(205, 213, 42)  
}
```

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(205, 213, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 213, 42) }
```

Border

The CSS property to change the border of an element to XYZ 49.3890, 60.7348, 11.3104 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(205, 213, 42) }
```


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

```
.border{ border-color:rgb(205, 213, 42) }
```

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

Here you see how a box with a 4 pixel rgb(205, 213, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 213, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 213, 42);  
box-shadow:4px 4px 4px 4px rgb(205, 213,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3890, 60.7348, 11.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 213, 42) }
```

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

```
.background{ background-color: rgb(205,  
213, 42) }
```

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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