

Converting Colors

XYZ(48.9054, 53.0963, 12.0859)

Have a look what the booklet for
XYZ(48.9054, 53.0963, 12.0859)
contains.

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Color

**XYZ(48.9054, 53.0963,
12.0859)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC03D
RGB	219, 192, 61
RGB Percent	86%, 75%, 24%
CMY	0.1412, 0.2470, 0.7608
CMYK	0.00, 0.12, 0.72, 0.14
HSL	50°, 69%, 55%
HSV	50°, 72%, 86%
XYZ	48.9054, 53.0963, 12.0859
YIQ	185.1390, 58.1430, -35.0170

Conversions

Conversions Part 2

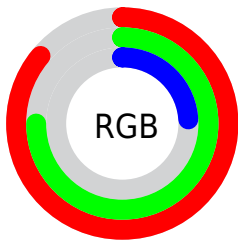
Format	Color
R _Y B	94, 219, 61
Decimal	14401597
CIE Lab	77.93, -4.22, 65.83
CIE LCh	78, 65.969, 93.666
Yxy	53.0963, 0.4287, 0.4654
Android (android.graphics.Color)	4292591677 (0xFFDBC03D)
YUV	185.1390, -61.2005, 29.6961
Hunter-Lab	72.8672, -7.7159, 41.1731

Details

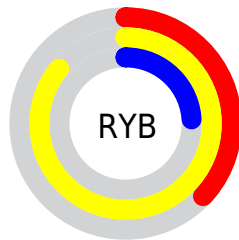
The XYZ color **48.9054, 53.0963, 12.0859** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.2004, 13.0858, 68.5840**, and the grayscale version is **46.5003, 48.9219, 53.2760**.

A 20% lighter version of the original color is **77.9598, 89.6558, 29.7194**, and **23.7298, 25.9388, 3.7560** is the 20% darker color. If you saturate the color by 10%, you get **47.6209, 51.2866, 9.3180**, and if you desaturate by 10%, it is **50.4539, 55.0491, 16.1306**.

Distribution



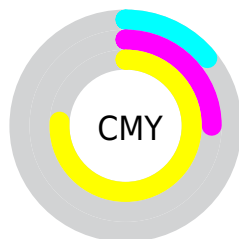
- Red (86%)
- Green (75%)
- Blue (24%)



- Red (37%)
- Yellow (86%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (72%)
- Black (14%)



- Cyan (14%)
- Magenta (25%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9054, 53.0963, 12.0859 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 48.9054, 53.0963, 12.0859 by changing the saturation by 10% instead.

■ 48.9054, 53.0963,
12.0859

■ 48.9054, 53.0963,
12.0859

372.8929,
398.6545, 215.9712

■ 34.7587, 37.8797,
6.6790

■ 87.7525, 94.7461,
30.3182

■ 23.6427, 25.8893,
3.1868

■ 113.1836,
121.9480, 43.9806

■ 15.1921, 16.7408,
1.1908

■ 143.1068,
153.9137, 61.2320

■ 9.0415, 10.0499,
0.0000

■ 177.8876,
191.0278, 82.4907

■ 4.8256, 5.4320,
0.0000

■ 217.8912,
233.6745, 108.1755

■ 2.1790, 2.5029,
0.0000

263.4831,

■ 0.7316, 0.8781,

282.2382, 138.7048

0.0000

315.0285,
337.1034, 174.4972

■ 0.0000, 0.0000,
0.0000

■ 48.9054, 53.0963,
12.0859

■ 48.9054, 53.0963,
12.0859

■ 47.6209, 51.2866,
9.3180

■ 50.4539, 55.0491,
16.1306

■ 46.5653, 49.5997,
7.6582

■ 52.2892, 57.1482,
21.5867

■ 45.8560, 48.3454,
6.9147

■ 54.4353, 59.4056,
28.5752

■ 56.9127, 61.8296,
37.2031

■ 59.7400, 64.4279,
47.5680

■ 62.9346, 67.2078,
59.7597

■ 66.5123, 70.1758,
73.8619

■ 70.4883, 73.3381,
89.9530

■ 74.3728, 76.4991,
105.4537

Harmonies

Analogous

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



62.2192, 53.0963, 14.7982



48.9054, 53.0963, 12.0859



37.9895, 53.0963, 16.6952

Triad

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



48.9054, 53.0963, 12.0859



32.5939, 53.0963, 106.4861



75.9603, 53.0963, 95.1561

Complementary

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



48.9054, 53.0963, 12.0859



18.2004, 13.0858, 68.5840

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.



65.4138, 53.0963, 138.7983



48.9054, 53.0963, 12.0859



40.2955, 53.0963, 147.0568

Square

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



48.9054, 53.0963, 12.0859



29.6346, 53.0963, 62.4491



52.0604, 53.0963, 160.8595



79.3040, 53.0963, 53.4119

Rectangle

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



48.9054, 53.0963, 12.0859



33.0885, 53.0963, 25.2443



52.0604, 53.0963, 160.8595



73.0612, 53.0963, 110.5856

Sweetspot

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



48.9066, 53.0988, 12.0870



84.3154, 90.9353, 67.0803



32.7264, 19.1356, 11.6349



17.8026, 19.2439, 13.4483



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.



48.9066, 53.0988, 12.0870



66.3544, 71.0463, 11.6659



42.5291, 59.4312, 13.6454



13.9631, 14.8655, 13.8590



27.2613, 28.8082, 4.1237



1.8172, 1.9685, 0.2842

Inverse Universe

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



18.2004, 13.0858, 68.5840



20.9386, 12.0591, 95.8318



21.0152, 11.8343, 68.1941



12.5176, 12.9749, 16.4968



8.0365, 3.9423, 40.0758



0.5763, 0.3667, 2.6149

Previews

White Background



This preview shows how the XYZ color 48.9054, 53.0963, 12.0859 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 48.9054, 53.0963, 12.0859 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 48.9054, 53.0963, 12.0859

Background



This preview shows how black text looks on a background with the XYZ color 48.9054, 53.0963, 12.0859.



This preview shows how white text looks on a background with the XYZ color 48.9054, 53.0963,

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

48.9054, 53.0963, 12.0859

Protanopia

48.2312, 53.0758, 12.1175

Deuteranopia

54.1345, 52.9379, 12.2153



Tritanopia

58.0588, 52.7485, 57.5735

Trichromacy



Original Color

48.9054, 53.0963, 12.0859

Protanomaly

48.5275, 53.2286, 12.1313

Deuteranomaly

52.0604, 52.8003, 12.1502

Tritanomaly

53.3027, 52.3329, 34.0800

Monochromacy



Original Color

48.9054, 53.0963, 12.0859

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7428, 49.7302, 31.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9054, 53.0963, 12.0859 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(219, 192, 61)` looks like.

```
.text, #text, p{  
    color:rgb(219, 192, 61)  
}
```

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(219, 192, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 192, 61) }
```

Border

The CSS property to change the border of an element to XYZ 48.9054, 53.0963, 12.0859 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(219, 192, 61) }
```


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

```
.border{ border-color:rgb(219, 192, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 192, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 192, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 192, 61);  
box-shadow:4px 4px 4px 4px rgb(219, 192,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9054, 53.0963, 12.0859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 192, 61) }
```

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

```
.background{ background-color: rgb(219,  
192, 61) }
```

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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