

Converting Colors

XYZ(50.9073, 58.1116, 12.9048)

Have a look what the booklet for
XYZ(50.9073, 58.1116, 12.9048)
contains.

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Color

**XYZ(51.0504, 58.2744,
12.9723)**

Conversions

Conversions Part 1

Format	Color
Hex	D9CC3D
RGB	217, 204, 61
RGB Percent	85%, 80%, 24%
CMY	0.1490, 0.2000, 0.7608
CMYK	0.00, 0.06, 0.72, 0.15
HSL	55°, 67%, 55%
HSV	55°, 72%, 85%
XYZ	51.0504, 58.2744, 12.9723
YIQ	191.5850, 53.6510, -41.7170

Conversions

Conversions Part 2

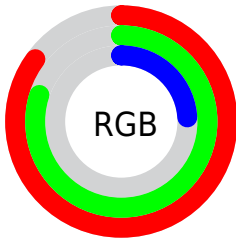
Format	Color
RYB	75, 217, 61
Decimal	14273597
CIELab	80.89, -11.20, 68.64
CIELCh	81, 69.549, 99.267
Yxy	58.2744, 0.4174, 0.4765
Android (android.graphics.Color)	4292463677 (0xFFD9CC3D)
YUV	191.5850, -64.3784, 22.2890
Hunter-Lab	76.3377, -14.2200, 43.3610

Details

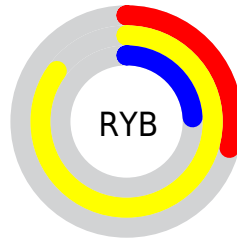
The XYZ color **51.0504, 58.2744, 12.9723** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.8977, 10.8993, 66.8582**, and the grayscale version is **50.2038, 52.8183, 57.5191**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **25.0069, 29.0818, 4.2953** is the 20% darker color. If you saturate the color by 10%, you get **50.1534, 57.2344, 10.3500**, and if you desaturate by 10%, it is **52.1914, 59.4244, 16.8433**.

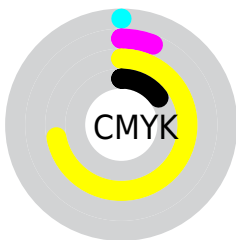
Distribution



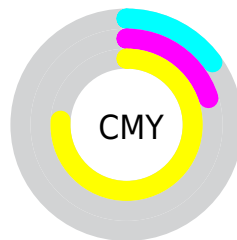
- Red (85%)
- Green (80%)
- Blue (24%)



- Red (29%)
- Yellow (85%)
- Blue (24%)



- Cyan (0%)
- Magenta (6%)
- Yellow (72%)
- Black (15%)



- Cyan (15%)
- Magenta (20%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0504, 58.2744, 12.9723 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 51.0504, 58.2744, 12.9723 by changing the saturation by 10% instead.

■ 51.0504, 58.2744,
12.9723

■ 51.0504, 58.2744,
12.9723

381.1440,
418.2076, 221.9417

■ 36.4699, 42.0293,
7.2790

■ 90.9118, 102.3223,
31.9445

■ 24.9691, 29.1242,
3.5561

■ 116.9235,
130.8940, 46.0604

■ 16.1827, 19.1748,
1.3851

■ 147.4762,
164.3432, 63.8209

■ 9.7452, 11.7967,
0.1301

■ 182.9354,
203.0545, 85.6446

■ 5.2913, 6.6054,
0.0000

■ 223.6665,
247.4122, 111.9500

■ 2.4557, 3.2166,
0.0000

270.0347,

■ 0.8730, 1.2458,

297.8006, 143.1556

0.0000

322.4054,
354.6043, 179.6800

■ 0.0000, 0.0987,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0504, 58.2744,
12.9723

■ 51.0504, 58.2744,
12.9723

■ 50.1534, 57.2344,
10.3500

■ 52.1914, 59.4244,
16.8433

■ 49.4660, 56.2839,
8.8122

■ 53.5979, 60.6864,
22.0935

■ 49.0211, 55.5638,
8.1412

■ 55.2934, 62.0720,
28.8409

■ 57.2977, 63.5893,
37.1900

■ 59.6290, 65.2454,
47.2358

■ 62.3039, 67.0470,
59.0658

■ 65.3379, 69.0004,
72.7619

■ 68.7456, 71.1115,
88.4004

■ 72.3299, 73.3013,
104.9441

Harmonies

Analogous

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



65.7730, 58.2744, 14.4470



51.0504, 58.2744, 12.9723



39.6550, 58.2744, 19.7472

Triad

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



51.0504, 58.2744, 12.9723



36.6080, 58.2744, 127.9890



85.5075, 58.2744, 95.8443

Complementary

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



51.0504, 58.2744, 12.9723



16.8977, 10.8993, 66.8582

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.



74.8133, 58.2744, 146.7070



51.0504, 58.2744, 12.9723



46.1581, 58.2744, 170.1723

Square

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



51.0504, 58.2744, 12.9723



32.3204, 58.2744, 77.0876



59.9647, 58.2744, 178.2057



87.4330, 58.2744, 51.5255

Rectangle

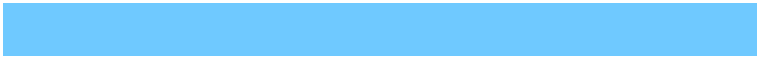
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.0504, 58.2744, 12.9723



34.8450, 58.2744, 30.9571



59.9647, 58.2744, 178.2057



82.7405, 58.2744, 113.1780

Sweetspot

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



51.0517, 58.2771, 12.9735



85.8246, 93.9537, 67.5834



31.5202, 18.5841, 8.4051



18.1638, 19.9662, 13.5687



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.



51.0517, 58.2771, 12.9735



71.7611, 81.8000, 13.6519



38.6042, 56.6378, 13.3131



14.0646, 15.0686, 13.8928



29.7129, 33.7114, 4.9409



1.9529, 2.2399, 0.3294

Inverse Universe

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



16.8977, 10.8993, 66.8582



20.0847, 10.2249, 95.5228



22.7978, 12.7835, 66.9109



12.4254, 12.7906, 16.4661



7.7447, 3.3588, 39.9785



0.5327, 0.2795, 2.6003

Previews

White Background



This preview shows how the XYZ color 51.0504, 58.2744, 12.9723 looks on a white background.

Color Contrast Check

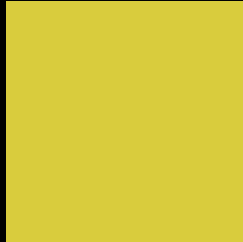
Large Text (above 18pt) WCAG AA × Fail

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 51.0504, 58.2744, 12.9723 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 51.0504, 58.2744, 12.9723

Background



This preview shows how black text looks on a background with the XYZ color 51.0504, 58.2744, 12.9723.



This preview shows how white text looks on a background with the XYZ color 51.0504, 58.2744,

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

51.0504, 58.2744, 12.9723

Protanopia

52.7536, 58.1071, 12.7103

Deuteranopia

59.3978, 58.1642, 13.2505



Tritanopia

61.7460, 57.8927, 65.6777

Trichromacy



Original Color

51.0504, 58.2744, 12.9723

Protanomaly

52.0603, 58.0969, 12.7449

Deuteranomaly

56.2619, 58.2007, 13.1190

Tritanomaly

56.3162, 57.3377, 38.2361

Monochromacy



Original Color

51.0504, 58.2744, 12.9723

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.8614, 53.9110, 34.2161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0504, 58.2744, 12.9723 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, 204, 61)` looks like.

```
.text, #text, p{  
    color:rgb(217, 204, 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(217, 204, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 204, 61) }
```

Border

The CSS property to change the border of an element to XYZ 51.0504, 58.2744, 12.9723 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, 204, 61) }
```


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

```
.border{ border-color:rgb(217, 204, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 204, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 204, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 204, 61);  
box-shadow:4px 4px 4px 4px rgb(217, 204,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0504, 58.2744, 12.9723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 204, 61) }
```

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

```
.background{ background-color: rgb(217,  
204, 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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