

Converting Colors

XYZ(51.2889, 58.7513, 13.0518)

Have a look what the booklet for
XYZ(51.2889, 58.7513, 13.0518)
contains.

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Color

**XYZ(51.2889, 58.7513,
13.0518)**

Conversions

Conversions Part 1

Format	Color
Hex	D9CD3D
RGB	217, 205, 61
RGB Percent	85%, 80%, 24%
CMY	0.1490, 0.1961, 0.7608
CMYK	0.00, 0.06, 0.72, 0.15
HSL	55°, 67%, 55%
HSV	55°, 72%, 85%
XYZ	51.2889, 58.7513, 13.0518
YIQ	192.1720, 53.3760, -42.2400

Conversions

Conversions Part 2

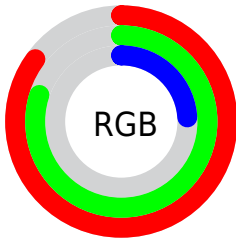
Format	Color
RYB	74, 217, 61
Decimal	14273853
CIELab	81.15, -11.70, 68.90
CIELCh	81, 69.882, 99.642
Yxy	58.7513, 0.4167, 0.4773
Android (android.graphics.Color)	4292463933 (0xFFD9CD3D)
YUV	192.1720, -64.6678, 21.7742
Hunter-Lab	76.6494, -14.6956, 43.5587

Details

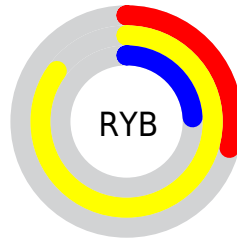
The XYZ color **51.2889, 58.7513, 13.0518** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.8315, 10.7669, 66.8363**, and the grayscale version is **50.5493, 53.1818, 57.9149**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **25.1672, 29.4023, 4.3488** is the 20% darker color. If you saturate the color by 10%, you get **50.4221, 57.7716, 10.4396**, and if you desaturate by 10%, it is **52.3990, 59.8396, 16.9125**.

Distribution



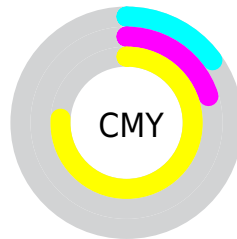
- Red (85%)
- Green (80%)
- Blue (24%)



- 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 51.2889, 58.7513, 13.0518 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 51.2889, 58.7513, 13.0518 by changing the saturation by 10% instead.

■ 51.2889, 58.7513,
13.0518

■ 51.2889, 58.7513,
13.0518

382.0544,
419.9797, 222.4689

■ 36.6606, 42.4129,
7.3331

■ 91.2621, 103.0161,
32.0894

■ 25.1173, 29.4248,
3.5897

■ 117.3377,
131.7114, 46.2453

■ 16.2936, 19.4024,
1.4031

■ 147.9598,
165.2944, 64.0507

■ 9.8243, 11.9614,
0.1441

■ 183.4936,
204.1496, 85.9241

■ 5.3440, 6.7174,
0.0000

■ 224.3047,
248.6613, 112.2841

■ 2.4873, 3.2860,
0.0000

270.7582,

■ 0.8889, 1.2828,

299.2139, 143.5492

0.0000

323.2197,
356.1919, 180.1379

■ 0.0000, 0.1278,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.2889, 58.7513,
13.0518

■ 51.2889, 58.7513,
13.0518

■ 50.4221, 57.7716,
10.4396

■ 52.3990, 59.8396,
16.9125

■ 49.7640, 56.8800,
8.9116

■ 53.7739, 61.0384,
22.1522

■ 49.3425, 56.2065,
8.2483

■ 55.4371, 62.3593,
28.8889

■ 57.4083, 63.8104,
37.2270

■ 59.7058, 65.3988,
47.2615

■ 62.3461, 67.1313,
59.0801

■ 65.3448, 69.0141,
72.7644

■ 68.7164, 71.0530,
88.3909

■ 72.2638, 73.1692,
104.9221

Harmonies

Analogous

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



66.1424, 58.7513, 14.4396



51.2889, 58.7513, 13.0518



39.8376, 58.7513, 20.0030

Triad

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



51.2889, 58.7513, 13.0518



36.9619, 58.7513, 129.8499



86.3650, 58.7513, 96.0616

Complementary

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



51.2889, 58.7513, 13.0518



16.8315, 10.7669, 66.8363

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.



75.6427, 58.7513, 147.5498



51.2889, 58.7513, 13.0518



46.6695, 58.7513, 172.2181

Square

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



51.2889, 58.7513, 13.0518



32.5662, 58.7513, 78.3381



60.6555, 58.7513, 179.8171



88.1850, 58.7513, 51.4761

Rectangle

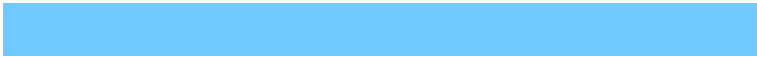
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2889, 58.7513, 13.0518



35.0258, 58.7513, 31.4380



60.6555, 58.7513, 179.8171



83.6039, 58.7513, 113.5662

Sweetspot

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



51.2903, 58.7541, 13.0530



85.9366, 94.1777, 67.6208



31.5203, 18.5841, 8.4052



18.1906, 20.0199, 13.5777



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.



51.2903, 58.7541, 13.0530



72.1690, 82.6158, 13.7879



38.6043, 56.6379, 13.3132



14.0721, 15.0836, 13.8953



29.9048, 34.0952, 5.0049



1.9634, 2.2609, 0.3329

Inverse Universe

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



16.8315, 10.7669, 66.8363



20.0203, 10.0960, 95.5013



22.7979, 12.7836, 66.9111



12.4187, 12.7772, 16.4638



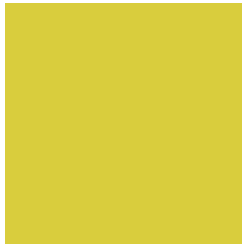
7.7298, 3.3290, 39.9736



0.5295, 0.2731, 2.5992

Previews

White Background



This preview shows how the XYZ color 51.2889, 58.7513, 13.0518 looks on a white background.

Color Contrast Check

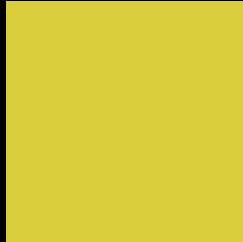
Large Text (above 18pt) WCAG AA × Fail

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 51.2889, 58.7513, 13.0518 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 51.2889, 58.7513, 13.0518

Background



This preview shows how black text looks on a background with the XYZ color 51.2889, 58.7513, 13.0518.



This preview shows how white text looks on a background with the XYZ color 51.2889, 58.7513,

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

51.2889, 58.7513, 13.0518

Protanopia

53.3002, 58.7361, 12.8029

Deuteranopia

59.7591, 58.3504, 13.2674



Tritanopia

62.0845, 58.3758, 66.3880

Trichromacy



Original Color

51.2889, 58.7513, 13.0518

Protanomaly

52.6030, 58.7261, 12.8378

Deuteranomaly

56.2619, 58.2007, 13.1190

Tritanomaly

56.5410, 57.7873, 38.3110

Monochromacy



Original Color

51.2889, 58.7513, 13.0518

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.0877, 54.3636, 34.2916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2889, 58.7513, 13.0518 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, 205, 61)` looks like.

```
.text, #text, p{  
    color:rgb(217, 205, 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, 205, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 205, 61) }
```

Border

The CSS property to change the border of an element to XYZ 51.2889, 58.7513, 13.0518 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, 205, 61) }
```


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

```
.border{ border-color:rgb(217, 205, 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, 205, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 205, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 205, 61);  
box-shadow:4px 4px 4px 4px rgb(217, 205,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2889, 58.7513, 13.0518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 205, 61) }
```

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

```
.background{ background-color: rgb(217,  
205, 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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