

Converting Colors

XYZ(52.8558, 51.0928, 7.5109)

Have a look what the booklet for
XYZ(52.8558, 51.0928, 7.5109)
contains.

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Color

**XYZ(52.8243, 51.1519,
7.5411)**

Conversions

Conversions Part 1

Format	Color
Hex	F2B30F
RGB	242, 179, 15
RGB Percent	95%, 70%, 6%
CMY	0.0510, 0.2980, 0.9411
CMYK	0.00, 0.26, 0.94, 0.05
HSL	43°, 90%, 50%
HSV	43°, 94%, 95%
XYZ	52.8243, 51.1519, 7.5411
YIQ	179.1410, 90.1920, -37.6480

Conversions

Conversions Part 2

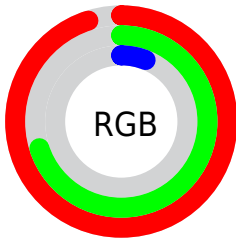
Format	Color
R _Y B	102, 242, 15
Decimal	15905551
CIE Lab	76.77, 11.21, 77.82
CIE LCh	77, 78.620, 81.800
Yxy	51.1519, 0.4737, 0.4587
Android (android.graphics.Color)	4294095631 (0xFF2B30F)
YUV	179.1410, -80.9215, 55.1273
Hunter-Lab	71.5206, 6.6772, 43.8129

Details

The XYZ color **52.8243, 51.1519, 7.5411** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **18.9491, 11.9623, 85.3141**, and the grayscale version is **43.3096, 45.5651, 49.6203**.

A 20% lighter version of the original color is **72.3425, 80.7775, 20.5829**, and **26.4118, 24.8820, 3.4107** is the 20% darker color. If you saturate the color by 10%, you get **51.9165, 49.4747, 6.8133**, and if you desaturate by 10%, it is **54.4880, 54.0260, 9.4944**.

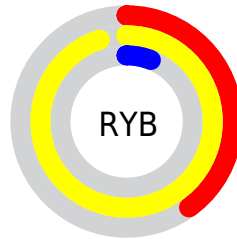
Distribution



Red (95%)

Green (70%)

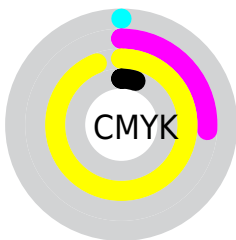
Blue (6%)



Red (40%)

Yellow (95%)

Blue (6%)

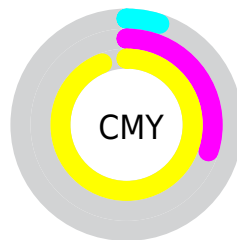


Cyan (0%)

Magenta (26%)

Yellow (94%)

Black (5%)



Cyan (5%)

Magenta (30%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8243, 51.1519, 7.5411 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 52.8243, 51.1519, 7.5411 by changing the saturation by 10% instead.

52.8243, 51.1519,
7.5411

52.8243, 51.1519,
7.5411

387.8826,
391.1537, 181.8851

37.8894, 36.3295,
3.7192

93.5128, 91.8793,
21.5849

26.0737, 24.6888,
1.4726

119.9972,
118.5530, 32.6439

17.0118, 15.8453,
0.1974

151.0621,
149.9460, 46.9523

10.3382, 9.4148,
0.0000

187.0730,
186.4427, 64.9287

5.6878, 5.0127,
0.0000

228.3951,
228.4274, 86.9917

2.6950, 2.2547,
0.0000

275.3938,

0.9946, 0.7496,

276.2845, 113.5597

0.0000

328.4345,
330.3985, 145.0513

■ 0.0000, 0.0000,
0.0000

■ 52.8243, 51.1519,
7.5411

■ 52.8243, 51.1519,
7.5411

■ 51.9165, 49.4747,
6.8133

■ 54.4880, 54.0260,
9.4944

■ 56.4726, 57.1328,
12.8149

■ 58.8222, 60.4933,
17.7251

■ 61.5721, 64.1231,
24.4068

■ 64.7530, 68.0357,
33.0172

■ 68.3921, 72.2436,
43.6957

■ 72.5142, 76.7578,
56.5691

■ 77.1423, 81.5889,
71.7537

■ 82.2976, 86.7466,
89.3577

Harmonies

Analogous

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



68.5959, 51.1519, 12.8751



52.8243, 51.1519, 7.5411



38.7274, 51.1519, 8.9477

Triad

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



52.8243, 51.1519, 7.5411



26.5572, 51.1519, 92.1014



74.8155, 51.1519, 123.4869

Complementary

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



52.8243, 51.1519, 7.5411



18.9491, 11.9623, 85.3141

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.



60.0644, 51.1519, 172.0457



52.8243, 51.1519, 7.5411



32.9532, 51.1519, 148.3768

Square

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



52.8243, 51.1519, 7.5411



25.4000, 51.1519, 44.7838



44.6418, 51.1519, 182.9446



82.8837, 51.1519, 68.2501

Rectangle

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



52.8243, 51.1519, 7.5411



31.8998, 51.1519, 14.1651



44.6418, 51.1519, 182.9446



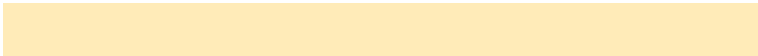
70.3466, 51.1519, 142.0946

Sweetspot

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



52.8254, 51.1545, 7.5421



79.6112, 84.2266, 57.1893



38.2120, 19.7885, 9.2652



16.6176, 17.5618, 10.9323



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.



52.8254, 51.1545, 7.5421



58.4288, 55.6376, 7.6596



53.7845, 74.8521, 12.0656



16.7305, 17.6741, 16.6794



28.0108, 26.8197, 3.7004



2.4133, 2.3973, 0.3355

Inverse Universe

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



18.9491, 11.9623, 85.3141



20.2885, 11.6970, 95.7962



18.3250, 7.8493, 84.5531



15.2543, 15.9427, 19.9949



9.7916, 5.8075, 45.7327



0.8952, 0.6444, 3.8314

Previews

White Background



This preview shows how the XYZ color 52.8243, 51.1519, 7.5411 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 52.8243, 51.1519, 7.5411 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 52.8243, 51.1519, 7.5411

Background



This preview shows how black text looks on a background with the XYZ color 52.8243, 51.1519, 7.5411.



This preview shows how white text looks on a background with the XYZ color 52.8243, 51.1519,

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

52.8243, 51.1519, 7.5411

Protanopia

46.2713, 51.1736, 8.1005

Deuteranopia

52.3291, 51.1968, 7.5047



Tritanopia

61.1972, 50.8511, 49.2376

Trichromacy



Original Color

52.8243, 51.1519, 7.5411

Protanomaly

48.4086, 51.0088, 7.8665

Deuteranomaly

52.6762, 51.3750, 7.5555

Tritanomaly

56.2505, 50.2319, 24.1838

Monochromacy



Original Color

52.8243, 51.1519, 7.5411

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.8070, 46.1287, 24.0476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8243, 51.1519, 7.5411 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(242, 179, 15)` looks like.

```
.text, #text, p{  
    color:rgb(242, 179, 15)  
}
```

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(242, 179, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 179, 15) }
```

Border

The CSS property to change the border of an element to XYZ 52.8243, 51.1519, 7.5411 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(242, 179, 15) }
```


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

```
.border{ border-color:rgb(242, 179, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 179, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 179, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 179, 15);  
box-shadow:4px 4px 4px 4px rgb(242, 179,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8243, 51.1519, 7.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 179, 15) }
```

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

```
.background{ background-color: rgb(242,  
179, 15) }
```

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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