

Converting Colors

XYZ(51.3770, 52.9159, 8.2954)

Have a look what the booklet for
XYZ(51.3770, 52.9159, 8.2954)
contains.

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Color

**XYZ(51.2037, 52.7583,
8.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	E8BB17
RGB	232, 187, 23
RGB Percent	91%, 73%, 9%
CMY	0.0902, 0.2666, 0.9098
CMYK	0.00, 0.19, 0.90, 0.09
HSL	47°, 82%, 50%
HSV	47°, 90%, 91%
XYZ	51.2037, 52.7583, 8.2953
YIQ	181.7590, 79.4640, -41.4640

Conversions

Conversions Part 2

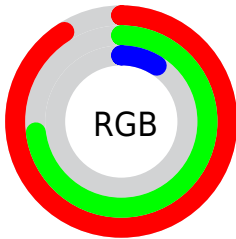
Format	Color
RYB	80, 232, 23
Decimal	15252247
CIELab	77.73, 2.82, 76.82
CIElCh	78, 76.874, 87.895
Yxy	52.7583, 0.4561, 0.4700
Android (android.graphics.Color)	4293442327 (0xFFE8BB17)
YUV	181.7590, -78.2682, 44.0614
Hunter-Lab	72.6349, -1.2782, 44.0732

Details

The XYZ color **51.2037, 52.7583, 8.2953** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **16.9864, 10.1433, 77.4059**, and the grayscale version is **44.7163, 47.0450, 51.2320**.

A 20% lighter version of the original color is **75.1361, 86.0994, 22.3316**, and **25.3197, 25.7081, 3.6277** is the 20% darker color. If you saturate the color by 10%, you get **50.0171, 50.6329, 7.1369**, and if you desaturate by 10%, it is **52.6256, 55.0543, 10.4596**.

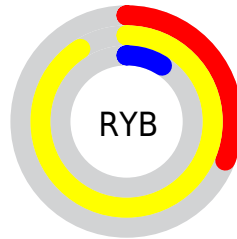
Distribution



Red (91%)

Green (73%)

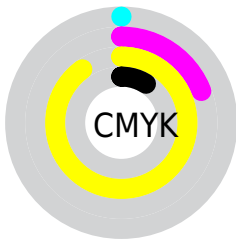
Blue (9%)



Red (31%)

Yellow (91%)

Blue (9%)

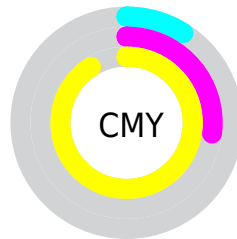


Cyan (0%)

Magenta (19%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (27%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2037, 52.7583, 8.2953 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 51.2037, 52.7583, 8.2953 by changing the saturation by 10% instead.

■ 51.2037, 52.7583,
8.2953

■ 51.2037, 52.7583,
8.2953

381.7293,
397.3571, 188.0504

■ 36.5924, 37.6099,
4.1940

■ 91.1370, 94.2486,
23.0910

■ 25.0643, 25.6800,
1.7324

■ 117.1898,
121.3593, 34.6225

■ 16.2540, 16.5844,
0.3828

■ 147.7871,
153.2261, 49.4678

■ 9.7960, 9.9386,
0.0000

■ 183.2943,
190.2336, 68.0455

■ 5.3252, 5.3583,
0.0000

■ 224.0768,
232.7660, 90.7740

■ 2.4760, 2.4590,
0.0000

■ 270.4999,

■ 0.8832, 0.8560,

281.2078, 118.0720

0.0000

322.9289,
335.9434, 150.3580

■ 0.0000, 0.0000,
0.0000

■ 51.2037, 52.7583,
8.2953

■ 51.2037, 52.7583,
8.2953

■ 50.0171, 50.6329,
7.1369

■ 52.6256, 55.0543,
10.4596

■ 54.3308, 57.5210,
13.9366

■ 56.3554, 60.1757,
18.9108

■ 58.7291, 63.0307,
25.5364

■ 61.4780, 66.0970,
33.9483

■ 64.6252, 69.3845,
44.2676

■ 68.1921, 72.9021,
56.6045

■ 72.1983, 76.6584,
71.0610

■ 76.6622, 80.6612,
87.7322

Harmonies

Analogous

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



66.9480, 52.7583, 12.2265



51.2037, 52.7583, 8.2953



37.9101, 52.7583, 11.1845

Triad

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



51.2037, 52.7583, 8.2953



28.8631, 52.7583, 104.9671



78.5098, 52.7583, 112.9550

Complementary

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



51.2037, 52.7583, 8.2953



16.9864, 10.1433, 77.4059

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.



64.7646, 52.7583, 164.6233



51.2037, 52.7583, 8.2953



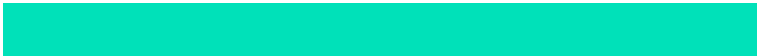
36.4191, 52.7583, 158.6239

Square

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



51.2037, 52.7583, 8.2953



26.6349, 52.7583, 54.4867



49.1014, 52.7583, 184.4786



84.5334, 52.7583, 60.5081

Rectangle

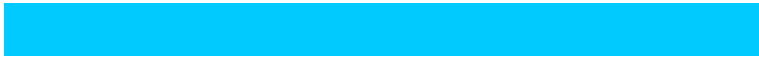
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2037, 52.7583, 8.2953



31.7654, 52.7583, 18.1473



49.1014, 52.7583, 184.4786



74.5208, 52.7583, 131.8026

Sweetspot

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



51.2049, 52.7609, 8.2963



81.3312, 87.2361, 59.0897



34.6374, 18.1899, 7.2012



17.0982, 18.3599, 11.5953



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.



51.2049, 52.7609, 8.2963



61.9177, 62.6153, 8.8226



46.1975, 66.6346, 11.2381



15.3245, 16.2628, 15.2358



27.8634, 28.3010, 3.9941



2.1247, 2.2228, 0.3170

Inverse Universe

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



16.9864, 10.1433, 77.4059



19.4114, 9.9428, 95.5038



18.3713, 8.2434, 76.9662



13.8331, 14.3876, 18.1923



8.7931, 4.6483, 42.8169



0.7170, 0.4779, 3.1864

Previews

White Background



This preview shows how the XYZ color 51.2037, 52.7583, 8.2953 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 51.2037, 52.7583, 8.2953 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 51.2037, 52.7583, 8.2953

Background



This preview shows how black text looks on a background with the XYZ color 51.2037, 52.7583, 8.2953.



This preview shows how white text looks on a background with the XYZ color 51.2037, 52.7583,

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

51.2037, 52.7583, 8.2953

Protanopia

47.8607, 52.9618, 8.6198

Deuteranopia

53.8997, 52.5944, 8.4095



Tritanopia

60.7236, 52.7372, 53.9925

Trichromacy



Original Color

51.2037, 52.7583, 8.2953

Protanomaly

48.9199, 52.8571, 8.4882

Deuteranomaly

52.9235, 52.7063, 8.3612

Tritanomaly

55.2108, 51.9496, 27.1960

Monochromacy



Original Color

51.2037, 52.7583, 8.2953

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.5980, 48.0156, 25.9861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2037, 52.7583, 8.2953 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(232, 187, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 187, 23)  
}
```

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(232, 187, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 187, 23) }
```

Border

The CSS property to change the border of an element to XYZ 51.2037, 52.7583, 8.2953 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(232, 187, 23) }
```


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

```
.border{ border-color:rgb(232, 187, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 187, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 187, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 187, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 187,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2037, 52.7583, 8.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 187, 23) }
```

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

```
.background{ background-color: rgb(232,  
187, 23) }
```

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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