

Converting Colors

XYZ(53.6239, 59.7797, 16.2261)

Have a look what the booklet for
XYZ(53.6239, 59.7797, 16.2261)
contains.

XYZ(53.7107, 59.9298, 16.3262)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.7107, 59.9298,
16.3262)**

Conversions

Conversions Part 1

Format	Color
Hex	DFCD50
RGB	223, 205, 80
RGB Percent	87%, 80%, 31%
CMY	0.1255, 0.1961, 0.6863
CMYK	0.00, 0.08, 0.64, 0.13
HSL	52°, 69%, 59%
HSV	52°, 64%, 87%
XYZ	53.7107, 59.9298, 16.3262
YIQ	196.1320, 50.8530, -35.0590

Conversions

Conversions Part 2

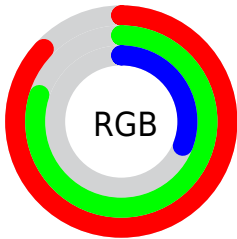
Format	Color
RYB	101, 223, 80
Decimal	14667088
CIELab	81.80, -8.18, 62.37
CIELCh	82, 62.902, 97.469
Yxy	59.9298, 0.4133, 0.4611
Android (android.graphics.Color)	4292857168 (0xFFDFCD50)
YUV	196.1320, -57.2531, 23.5632
Hunter-Lab	77.4143, -11.6303, 41.6861

Details

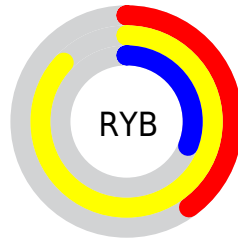
The XYZ color **53.7107, 59.9298, 16.3262** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **20.9952, 15.7682, 71.7486**, and the grayscale version is **52.8615, 55.6144, 60.5641**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **26.7012, 30.1796, 5.0340** is the 20% darker color. If you saturate the color by 10%, you get **52.3549, 58.3253, 12.4621**, and if you desaturate by 10%, it is **55.3547, 61.6734, 21.6362**.

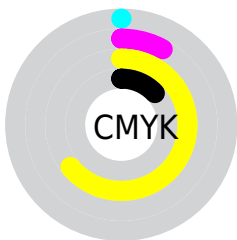
Distribution



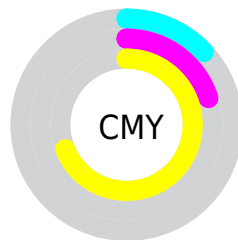
- Red (87%)
- Green (80%)
- Blue (31%)



- Red (40%)
- Yellow (87%)
- Blue (31%)



- Cyan (0%)
- Magenta (8%)
- Yellow (64%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7107, 59.9298, 16.3262 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 53.7107, 59.9298, 16.3262 by changing the saturation by 10% instead.

■ 53.7107, 59.9298,
16.3262

■ 53.7107, 59.9298,
16.3262

391.2222,
424.3390, 243.1700

■ 38.6002, 43.3621,
9.5984

■ 94.8087, 104.7278,
37.9382

■ 26.6282, 30.1693,
5.0314

■ 121.5269,
133.7269, 53.6596

■ 17.4293, 19.9671,
2.2066

■ 152.8451,
167.6385, 73.2158

■ 10.6382, 12.3711,
0.6782

■ 189.1285,
206.8471, 97.0255

■ 5.8896, 6.9970,
0.0000

■ 230.7426,
251.7371, 125.5073

■ 2.8181, 3.4602,
0.0000

278.0527,

■ 1.0583, 1.3765,

302.6928, 159.0796

0.0000

331.4241,
360.0986, 198.1610

■ 0.0000, 0.1993,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.7107, 59.9298,
16.3262

■ 53.7107, 59.9298,
16.3262

■ 52.3549, 58.3253,
12.4621

■ 55.3547, 61.6734,
21.6362

■ 51.2548, 56.8400,
9.8915

■ 57.3071, 63.5574,
28.5170

■ 50.3773, 55.4628,
8.4345

■ 59.5912, 65.5936,
37.0842

■ 49.9327, 54.6907,
7.9246

■ 62.2267, 67.7899,
47.4415

■ 65.2317, 70.1536,
59.6842

■ 68.6231, 72.6917,
73.9010

■ 72.4168, 75.4105,
90.1747

■ 76.0747, 78.0949,
105.6720

■ 76.8506, 79.6465,
105.9306

Harmonies

Analogous

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



67.3013, 59.9298, 18.3734



53.7107, 59.9298, 16.3262



42.8152, 59.9298, 22.7606

Triad

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



53.7107, 59.9298, 16.3262



39.0258, 59.9298, 120.5217



83.9092, 59.9298, 97.4259

Complementary

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



53.7107, 59.9298, 16.3262



20.9952, 15.7682, 71.7486

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.



73.9238, 59.9298, 142.0667



53.7107, 59.9298, 16.3262



47.7389, 59.9298, 158.6170

Square

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



53.7107, 59.9298, 16.3262



35.2352, 59.9298, 75.2141



60.3408, 59.9298, 167.7431



86.1687, 59.9298, 56.2133

Rectangle

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



53.7107, 59.9298, 16.3262



38.0546, 59.9298, 33.3342



60.3408, 59.9298, 167.7431



81.2774, 59.9298, 112.9279

Sweetspot

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



53.7121, 59.9326, 16.3274



86.2934, 93.4347, 72.2300



35.5557, 22.3280, 14.2577



18.2238, 19.8034, 14.4606



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.



53.7121, 59.9326, 16.3274



70.3988, 78.3289, 15.4988



44.5362, 61.9637, 17.2031



14.7169, 15.7198, 14.5653



29.4174, 32.2728, 4.6788



2.0808, 2.3205, 0.3382

Inverse Universe

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



20.9952, 15.7682, 71.7486



22.9536, 14.3804, 96.1737



25.7721, 16.0063, 71.5428



13.0903, 13.5198, 17.3073



8.1211, 3.7118, 41.3368



0.6090, 0.3495, 2.8806

Previews

White Background



This preview shows how the XYZ color 53.7107, 59.9298, 16.3262 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 53.7107, 59.9298, 16.3262 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 53.7107, 59.9298, 16.3262

Background



This preview shows how black text looks on a background with the XYZ color 53.7107, 59.9298, 16.3262.



This preview shows how white text looks on a background with the XYZ color 53.7107, 59.9298,

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

53.7107, 59.9298, 16.3262

Protanopia

54.7194, 60.0958, 16.3050

Deuteranopia

61.1782, 59.6627, 16.6791



Tritanopia

64.0438, 59.6967, 67.1786

Trichromacy



Original Color

53.7107, 59.9298, 16.3262

Protanomaly

54.4049, 59.9337, 16.2903

Deuteranomaly

58.1455, 59.4343, 16.5910

Tritanomaly

59.0324, 59.3287, 42.0585

Monochromacy



Original Color

53.7107, 59.9298, 16.3262

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.7098, 56.3018, 38.7138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7107, 59.9298, 16.3262 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(223, 205, 80)` looks like.

```
.text, #text, p{  
    color:rgb(223, 205, 80)  
}
```

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(223, 205, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 205, 80) }
```

Border

The CSS property to change the border of an element to XYZ 53.7107, 59.9298, 16.3262 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(223, 205, 80) }
```


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

```
.border{ border-color:rgb(223, 205, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 205, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 205, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 205, 80);  
box-shadow:4px 4px 4px 4px rgb(223, 205,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7107, 59.9298, 16.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 205, 80) }
```

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

```
.background{ background-color: rgb(223,  
205, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor