

Converting Colors

XYZ(51.7289, 52.9665, 14.3033)

Have a look what the booklet for
XYZ(51.7289, 52.9665, 14.3033)
contains.

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Color

**XYZ(51.7080, 52.8854,
14.3201)**

Conversions

Conversions Part 1

Format	Color
Hex	E6BB4C
RGB	230, 187, 76
RGB Percent	90%, 73%, 30%
CMY	0.0980, 0.2666, 0.7019
CMYK	0.00, 0.19, 0.67, 0.10
HSL	43°, 75%, 60%
HSV	43°, 67%, 90%
XYZ	51.7080, 52.8854, 14.3201
YIQ	187.2030, 61.2590, -25.4050

Conversions

Conversions Part 2

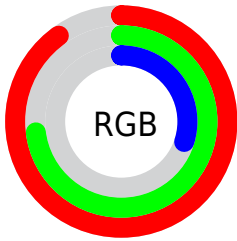
Format	Color
RYB	136, 230, 76
Decimal	15121228
CIELab	77.81, 3.83, 60.03
CIELCh	78, 60.150, 86.349
Yxy	52.8854, 0.4348, 0.4447
Android (android.graphics.Color)	4293311308 (0xFFE6BB4C)
YUV	187.2030, -54.8231, 37.5330
Hunter-Lab	72.7223, -0.3447, 39.2306

Details

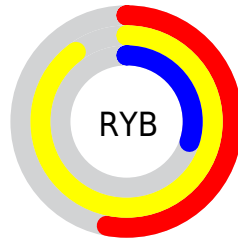
The XYZ color **51.7080, 52.8854, 14.3201** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **23.8601, 20.4428, 77.5509**, and the grayscale version is **47.6257, 50.1059, 54.5653**.

A 20% lighter version of the original color is **77.3199, 86.9729, 33.8313**, and **25.4132, 25.7455, 4.1202** is the 20% darker color. If you saturate the color by 10%, you get **49.7152, 49.9591, 10.3914**, and if you desaturate by 10%, it is **54.0499, 56.0530, 19.7758**.

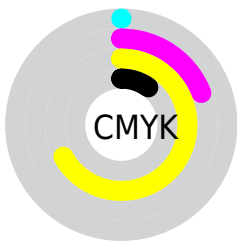
Distribution



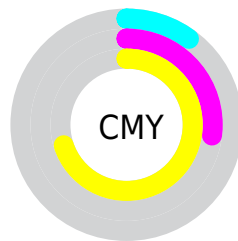
- Red (90%)
- Green (73%)
- Blue (30%)



- Red (53%)
- Yellow (90%)
- Blue (30%)



- Cyan (0%)
- Magenta (19%)
- Yellow (67%)
- Black (10%)



- Cyan (10%)
- Magenta (27%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7080, 52.8854, 14.3201 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 51.7080, 52.8854, 14.3201 by changing the saturation by 10% instead.

51.7080, 52.8854,
14.3201

51.7080, 52.8854,
14.3201

383.6508,
397.8453, 230.7105

36.9957, 37.7113,
8.2023

91.8772, 94.4357,
34.3812

25.3778, 25.7587,
4.1351

118.0649,
121.5807, 49.1616

16.4890, 16.6432,
1.6997

148.8084,
153.4848, 67.6667

9.9639, 9.9804,
0.3606

184.4731,
190.5324, 90.3149

5.4371, 5.3860,
0.0000

225.4243,
233.1078, 117.5249

2.5433, 2.4755,
0.0000

272.0274,

0.9171, 0.8643,

281.5955, 149.7151

0.0000

324.6478,
336.3799, 187.3041

■ 0.0000, 0.0000,
0.0000

■ 51.7080, 52.8854,
14.3201

■ 51.7080, 52.8854,
14.3201

■ 49.7152, 49.9591,
10.3914

■ 54.0499, 56.0530,
19.7758

■ 48.0350, 47.2520,
7.8174

■ 56.7653, 59.4666,
26.8998

■ 46.6264, 44.7484,
6.3809

■ 59.8804, 63.1400,
35.8206

■ 46.2305, 44.0179,
6.0597

■ 63.4178, 67.0835,
46.6533

■ 67.3982, 71.3064,
59.5034

■ 71.8407, 75.8176,
74.4684

■ 76.7635, 80.6254,
91.6396

■ 81.3672, 85.4113,
106.8053

■ 83.2742, 89.2253,
107.4409

Harmonies

Analogous

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



63.7495, 52.8854, 18.9511



51.7080, 52.8854, 14.3201



40.9524, 52.8854, 17.0671

Triad

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



51.7080, 52.8854, 14.3201



32.7245, 52.8854, 91.0637



71.3475, 52.8854, 101.0243

Complementary

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



51.7080, 52.8854, 14.3201



23.8601, 20.4428, 77.5509

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.



60.8944, 52.8854, 136.4717



51.7080, 52.8854, 14.3201



38.8319, 52.8854, 129.3281

Square

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



51.7080, 52.8854, 14.3201



31.0379, 52.8854, 53.5884



48.8510, 52.8854, 148.4385



76.1412, 52.8854, 61.7718

Rectangle

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



51.7080, 52.8854, 14.3201



35.7190, 52.8854, 23.6468



48.8510, 52.8854, 148.4385



68.3072, 52.8854, 114.2878

Sweetspot

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



51.7092, 52.8880, 14.3211



83.5238, 88.3891, 69.7854



38.5858, 23.3395, 20.1249



17.5718, 18.5951, 13.9479



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.



51.7092, 52.8880, 14.3211



62.0421, 61.9082, 11.8115



52.5315, 68.9362, 17.3754



15.2436, 16.1012, 15.2089



26.2813, 25.1367, 3.4667



2.0194, 2.0121, 0.2819

Inverse Universe

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



23.8601, 20.4428, 77.5509



24.7730, 18.6392, 96.8998



23.2198, 14.1572, 76.3714



13.9088, 14.5389, 18.2176



9.2197, 5.5016, 42.9591



0.7578, 0.5595, 3.2000

Previews

White Background



This preview shows how the XYZ color 51.7080, 52.8854, 14.3201 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 51.7080, 52.8854, 14.3201 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 51.7080, 52.8854, 14.3201

Background



This preview shows how black text looks on a background with the XYZ color 51.7080, 52.8854, 14.3201.



This preview shows how white text looks on a background with the XYZ color 51.7080, 52.8854,

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

51.7080, 52.8854, 14.3201

Protanopia

48.1767, 52.9861, 14.8959

Deuteranopia

53.8696, 52.7535, 14.3644



Tritanopia

60.1119, 52.6848, 55.1451

Trichromacy



Original Color

51.7080, 52.8854, 14.3201

Protanomaly

49.4856, 53.0131, 14.6456

Deuteranomaly

53.0721, 52.6497, 14.3864

Tritanomaly

56.0575, 52.2112, 35.1402

Monochromacy



Original Color

51.7080, 52.8854, 14.3201

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6654, 50.3437, 34.8088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7080, 52.8854, 14.3201 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(230, 187, 76)` looks like.

```
.text, #text, p{  
    color:rgb(230, 187, 76)  
}
```

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(230, 187, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 187, 76) }
```

Border

The CSS property to change the border of an element to XYZ 51.7080, 52.8854, 14.3201 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(230, 187, 76) }
```


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

```
.border{ border-color:rgb(230, 187, 76) }
```

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

Here you see how a box with a 4 pixel rgb(230, 187, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 187, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 187, 76);  
box-shadow:4px 4px 4px 4px rgb(230, 187,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7080, 52.8854, 14.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 187, 76) }
```

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

```
.background{ background-color: rgb(230,  
187, 76) }
```

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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