

Converting Colors

XYZ(52.2535, 54.1530, 13.0033)

Have a look what the booklet for
XYZ(52.2535, 54.1530, 13.0033)
contains.

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Color

**XYZ(52.3816, 54.2211,
13.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	E7BE43
RGB	231, 190, 67
RGB Percent	91%, 75%, 26%
CMY	0.0941, 0.2549, 0.7372
CMYK	0.00, 0.18, 0.71, 0.09
HSL	45°, 77%, 58%
HSV	45°, 71%, 91%
XYZ	52.3816, 54.2211, 13.0151
YIQ	188.2370, 63.9190, -29.5610

Conversions

Conversions Part 2

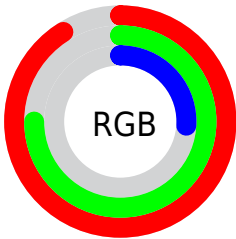
Format	Color
RYB	122, 231, 67
Decimal	15187523
CIELab	78.59, 2.22, 64.57
CIELCh	79, 64.605, 88.032
Yxy	54.2211, 0.4379, 0.4533
Android (android.graphics.Color)	4293377603 (0xFFE7BE43)
YUV	188.2370, -59.7698, 37.5032
Hunter-Lab	73.6350, -1.8819, 41.0649

Details

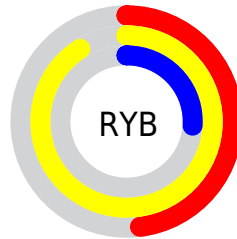
The XYZ color **52.3816, 54.2211, 13.0151** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **22.1010, 17.6874, 77.8500**, and the grayscale version is **48.2400, 50.7522, 55.2692**.

A 20% lighter version of the original color is **77.7086, 88.5767, 31.4137**, and **25.7402, 26.5492, 3.7679** is the 20% darker color. If you saturate the color by 10%, you get **50.5964, 51.5474, 9.6564**, and if you desaturate by 10%, it is **54.4951, 57.1096, 17.8471**.

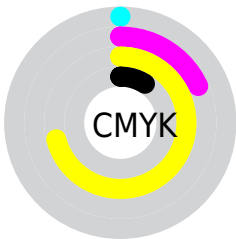
Distribution



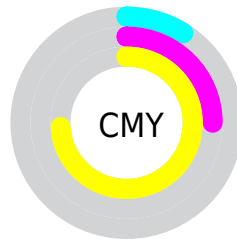
- Red (91%)
- Green (75%)
- Blue (26%)



- Red (48%)
- Yellow (91%)
- Blue (26%)



- Cyan (0%)
- Magenta (18%)
- Yellow (71%)
- Black (9%)





- Cyan (9%)
- Magenta (25%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3816, 54.2211, 13.0151 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 52.3816, 54.2211, 13.0151 by changing the saturation by 10% instead.


 52.3816, 54.2211,
13.0151


 52.3816, 54.2211,
13.0151


386.2078,
402.9526, 222.2256


 37.5348, 38.7785,
7.3081


 92.8647, 96.3988,
32.0225

 25.7974, 26.5874,
3.5742


 119.2317,
123.9027, 46.1600


 16.8040, 17.2636,
1.3948


 150.1695,
156.1957, 63.9447

 10.1893, 10.4226,
0.1376

 186.0434,
193.6623, 85.7952

 5.5879, 5.6801,
0.0000

 227.2189,
236.6869, 112.1299

 2.6344, 2.6515,
0.0000

274.0612,

 0.9635, 0.9526,

285.6539, 143.3676

0.0000

326.9357,
340.9477, 179.9267

■ 0.0000, 0.0000,
0.0000

■ 52.3816, 54.2211,
13.0151

■ 52.3816, 54.2211,
13.0151

■ 50.5964, 51.5474,
9.6564

■ 54.4951, 57.1096,
17.8471

■ 49.1000, 49.0655,
7.5827


■ 56.9631, 60.2180,
24.3040

■ 47.9478, 46.9748,
6.5399

■ 59.8129, 63.5602,
32.5218


■ 63.0681, 67.1464,
42.6214

■ 66.7499, 70.9860,
54.7130

 70.8783, 75.0879,
68.8981

 75.4717, 79.4602,
85.2715

 80.5473, 84.1106,
103.9220

 82.7492, 87.6976,
107.1737

Harmonies

Analogous

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



65.6247, 54.2211, 17.2789



52.3816, 54.2211, 13.0151



40.8585, 54.2211, 16.2382

Triad

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



52.3816, 54.2211, 13.0151



32.7948, 54.2211, 98.5296



75.2372, 54.2211, 104.5201

Complementary

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



52.3816, 54.2211, 13.0151



22.1010, 17.6874, 77.8500

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.



63.9273, 54.2211, 145.1467



52.3816, 54.2211, 13.0151



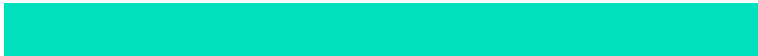
39.6227, 54.2211, 140.8009

Square

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



52.3816, 54.2211, 13.0151



30.7244, 54.2211, 56.6603



50.6986, 54.2211, 160.5811



80.1012, 54.2211, 61.4804

Rectangle

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



52.3816, 54.2211, 13.0151



35.3825, 54.2211, 23.4508



50.6986, 54.2211, 160.5811



71.9805, 54.2211, 119.4820

Sweetspot

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



52.3828, 54.2237, 13.0162



83.4731, 88.7732, 68.2717



37.6691, 22.0864, 16.4659



17.5815, 18.7089, 13.6606



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.



52.3828, 54.2237, 13.0162



62.4386, 63.0910, 10.7418



50.8243, 68.5040, 15.8547



15.2805, 16.1750, 15.2212



26.9837, 26.5416, 3.7008



2.0664, 2.1062, 0.2976

Inverse Universe

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



22.1010, 17.6874, 77.8500



22.7231, 15.3658, 96.3760



22.6158, 12.9726, 76.9128



13.8741, 14.4696, 18.2060



9.0101, 5.0823, 42.8893



0.7383, 0.5205, 3.1935

Previews

White Background



This preview shows how the XYZ color 52.3816, 54.2211, 13.0151 looks on a white background.

Color Contrast Check

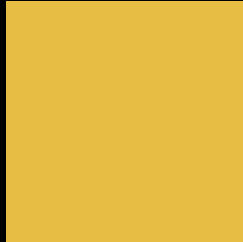
Large Text (above 18pt) WCAG AA × Fail

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 52.3816, 54.2211, 13.0151 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 52.3816, 54.2211, 13.0151

Background



This preview shows how black text looks on a background with the XYZ color 52.3816, 54.2211, 13.0151.



This preview shows how white text looks on a background with the XYZ color 52.3816, 54.2211,

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

52.3816, 54.2211, 13.0151

Protanopia

49.4719, 54.3530, 13.3526

Deuteranopia

55.3853, 54.1823, 13.1693



Tritanopia

61.2595, 54.1276, 56.5092

Trichromacy



Original Color

52.3816, 54.2211, 13.0151

Protanomaly

50.5448, 54.2453, 13.2752

Deuteranomaly

54.4103, 54.3087, 13.0837

Tritanomaly

56.8413, 53.5357, 34.5317

Monochromacy



Original Color

52.3816, 54.2211, 13.0151

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1335, 51.2462, 33.7402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3816, 54.2211, 13.0151 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(231, 190, 67)` looks like.

```
.text, #text, p{  
    color:rgb(231, 190, 67)  
}
```

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(231, 190, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 190, 67) }
```

Border

The CSS property to change the border of an element to XYZ 52.3816, 54.2211, 13.0151 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(231, 190, 67) }
```


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

```
.border{ border-color:rgb(231, 190, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 190, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 190, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 190, 67);  
box-shadow:4px 4px 4px 4px rgb(231, 190,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3816, 54.2211, 13.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 190, 67) }
```

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

```
.background{ background-color: rgb(231,  
190, 67) }
```

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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