

Converting Colors

XYZ(50.6112, 50.7052, 17.0171)

Have a look what the booklet for
XYZ(50.6112, 50.7052, 17.0171)
contains.

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Color

**XYZ(50.6112, 50.7052,
17.0171)**

Conversions

Conversions Part 1

Format	Color
Hex	E4B65B
RGB	228, 182, 91
RGB Percent	89%, 71%, 36%
CMY	0.1059, 0.2863, 0.6431
CMYK	0.00, 0.20, 0.60, 0.11
HSL	40°, 72%, 63%
HSV	40°, 60%, 89%
XYZ	50.6112, 50.7052, 17.0171
YIQ	185.3800, 56.6270, -18.5490

Conversions

Conversions Part 2

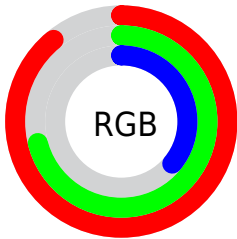
Format	Color
RYB	160, 228, 91
Decimal	14988891
CIELab	76.50, 6.56, 51.75
CIElCh	77, 52.166, 82.778
Yxy	50.7052, 0.4277, 0.4285
Android (android.graphics.Color)	4293178971 (0xFFE4B65B)
YUV	185.3800, -46.5293, 37.3777
Hunter-Lab	71.2076, 2.2566, 35.6763

Details

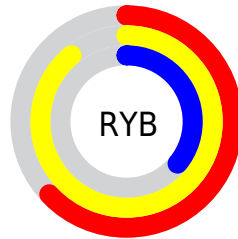
The XYZ color **50.6112, 50.7052, 17.0171** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **27.2633, 25.7159, 76.9252**, and the grayscale version is **46.5561, 48.9806, 53.3399**.

A 20% lighter version of the original color is **76.8486, 84.4227, 38.6304**, and **24.5787, 24.2820, 5.3109** is the 20% darker color. If you saturate the color by 10%, you get **48.2484, 47.3218, 12.0924**, and if you desaturate by 10%, it is **53.3608, 54.3844, 23.5455**.

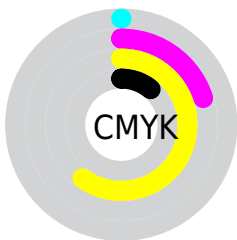
Distribution



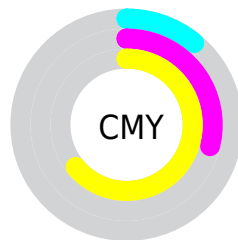
- Red (89%)
- Green (71%)
- Blue (36%)



- Red (63%)
- Yellow (89%)
- Blue (36%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (11%)



- Cyan (11%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6112, 50.7052, 17.0171 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 50.6112, 50.7052, 17.0171 by changing the saturation by 10% instead.

50.6112, 50.7052,
17.0171

50.6112, 50.7052,
17.0171

379.4639,
389.4173, 247.3182

36.1191, 35.9740,
10.0846

90.2662, 91.2189,
39.1462

24.6967, 24.4142,
5.3487

116.1598,
117.7702, 55.1799

15.9788, 15.6411,
2.3910

146.5846,
149.0303, 75.0845

9.5999, 9.2706,
0.7815

181.9059,
185.3837, 99.2783

5.1947, 4.9181,
0.0000

222.4892,
227.2147, 128.1801

2.3979, 2.1993,
0.0000

268.6997,

0.8440, 0.7196,

274.9077, 162.2083

0.0000

320.9028,
328.8471, 201.7815

■ 0.0000, 0.0000,
0.0000

■ 50.6112, 50.7052,
17.0171

■ 50.6112, 50.7052,
17.0171

■ 48.2484, 47.3218,
12.0924

■ 53.3608, 54.3844,
23.5455

■ 46.2395, 44.2130,
8.6203

■ 56.5195, 58.3644,
31.8042

■ 44.5509, 41.3650,
6.4261

■ 60.1118, 62.6593,
41.9105

■ 43.1346, 38.7736,
5.2106

■ 64.1590, 67.2794,
53.9704

■ 68.6809, 72.2347,
68.0819

■ 73.6960, 77.5345,
84.3364

■ 79.2216, 83.1878,
102.8198

■ 82.1680, 87.9603,
107.2551

■ 84.5098, 92.6439,
108.0357

Harmonies

Analogous

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



60.5662, 50.7052, 22.3299



50.6112, 50.7052, 17.0171



41.2346, 50.7052, 18.8083

Triad

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



50.6112, 50.7052, 17.0171



32.7717, 50.7052, 78.9528



64.8811, 50.7052, 94.8928

Complementary

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



50.6112, 50.7052, 17.0171



27.2633, 25.7159, 76.9252

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.



55.8949, 50.7052, 121.7396



50.6112, 50.7052, 17.0171



37.6327, 50.7052, 110.5621

Square

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



50.6112, 50.7052, 17.0171



31.7576, 50.7052, 48.6749



45.8546, 50.7052, 128.2833



69.5018, 50.7052, 62.3039

Rectangle

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



50.6112, 50.7052, 17.0171



36.4540, 50.7052, 24.2274



45.8546, 50.7052, 128.2833



62.2168, 50.7052, 105.2853

Sweetspot

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



50.6124, 50.7077, 17.0181



83.8006, 87.9475, 72.9453



40.3927, 25.8392, 27.2661



17.5890, 18.4364, 14.5490



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.



50.6124, 50.7077, 17.0181



61.5400, 60.0196, 14.3702



55.4898, 69.5723, 20.4023



15.1727, 15.9592, 15.1852



25.0211, 22.6164, 3.0466



1.9338, 1.8409, 0.2534

Inverse Universe

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



27.2633, 25.7159, 76.9252



29.0709, 25.3606, 97.9706



24.3701, 16.4995, 75.2987



13.9763, 14.6739, 18.2401



9.6982, 6.4586, 43.1186



0.7999, 0.6437, 3.2141

Previews

White Background



This preview shows how the XYZ color 50.6112, 50.7052, 17.0171 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 50.6112, 50.7052, 17.0171 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 50.6112, 50.7052, 17.0171

Background



This preview shows how black text looks on a background with the XYZ color 50.6112, 50.7052, 17.0171.



This preview shows how white text looks on a background with the XYZ color 50.6112, 50.7052,

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

50.6112, 50.7052, 17.0171

Protanopia

46.4679, 50.7408, 17.7008

Deuteranopia

51.8573, 50.7389, 17.1856



Tritanopia

58.1016, 50.8407, 52.6499

Trichromacy



Original Color

50.6112, 50.7052, 17.0171

Protanomaly

47.8096, 50.4894, 17.3508

Deuteranomaly

51.4106, 50.8094, 17.2228

Tritanomaly

54.7155, 50.6087, 36.1628

Monochromacy



Original Color

50.6112, 50.7052, 17.0171

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.8138, 48.9329, 36.2558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6112, 50.7052, 17.0171 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(228, 182, 91)` looks like.

```
.text, #text, p{  
    color:rgb(228, 182, 91)  
}
```

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(228, 182, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 182, 91) }
```

Border

The CSS property to change the border of an element to XYZ 50.6112, 50.7052, 17.0171 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(228, 182, 91) }
```


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

```
.border{ border-color:rgb(228, 182, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 182, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 182, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 182, 91);  
box-shadow:4px 4px 4px 4px rgb(228, 182,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6112, 50.7052, 17.0171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 182, 91) }
```

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

```
.background{ background-color: rgb(228,  
182, 91) }
```

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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