

Converting Colors

XYZ(50.2129, 49.9413, 18.1442)

Have a look what the booklet for
XYZ(50.2129, 49.9413, 18.1442)
contains.

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Color

**XYZ(50.1111, 49.8179,
18.0410)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B460
RGB	227, 180, 96
RGB Percent	89%, 71%, 38%
CMY	0.1098, 0.2941, 0.6235
CMYK	0.00, 0.21, 0.58, 0.11
HSL	38°, 70%, 63%
HSV	38°, 58%, 89%
XYZ	50.1111, 49.8179, 18.0410
YIQ	184.4770, 54.9760, -16.1600

Conversions

Conversions Part 2

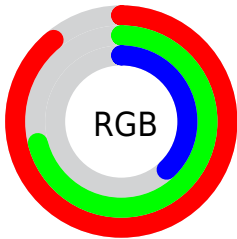
Format	Color
RYB	169, 227, 96
Decimal	14922848
CIELab	75.96, 7.56, 48.70
CIELCh	76, 49.281, 81.178
Yxy	49.8179, 0.4248, 0.4223
Android (android.graphics.Color)	4293112928 (0xFFE3B460)
YUV	184.4770, -43.6192, 37.2927
Hunter-Lab	70.5818, 3.2119, 34.2525

Details

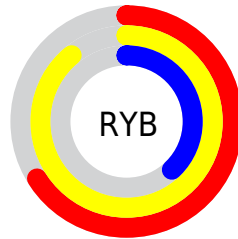
The XYZ color **50.1111, 49.8179, 18.0410** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.5110, 27.6766, 76.5121**, and the grayscale version is **46.0377, 48.4352, 52.7460**.

A 20% lighter version of the original color is **76.6603, 83.4208, 40.4952**, and **24.4252, 23.8032, 5.7898** is the 20% darker color. If you saturate the color by 10%, you get **47.6174, 46.2687, 12.7771**, and if you desaturate by 10%, it is **53.0054, 53.6858, 24.9279**.

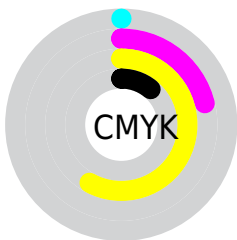
Distribution



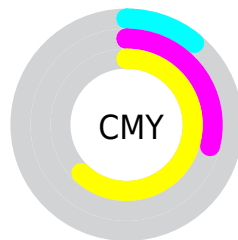
- Red (89%)
- Green (71%)
- Blue (38%)



- Red (66%)
- Yellow (89%)
- Blue (38%)



- Cyan (0%)
- Magenta (21%)
- Yellow (58%)
- Black (11%)



- Cyan (11%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1111, 49.8179, 18.0410 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 50.1111, 49.8179, 18.0410 by changing the saturation by 10% instead.

50.1111, 49.8179,
18.0410

50.1111, 49.8179,
18.0410

377.5451,
385.9534, 253.3459

35.7198, 35.2687,
10.8097

89.5303, 89.9050,
40.9221

24.3870, 23.8700,
5.8264

115.2890,
116.2117, 57.4089

15.7472, 15.2372,
2.6728

145.5675,
147.2064, 77.8179

9.4352, 8.9860,
0.9297

180.7312,
183.2735, 102.5678

5.0855, 4.7321,
0.0000

221.1454,
224.7974, 132.0770

2.3328, 2.0909,
0.0000

267.1756,

0.8114, 0.6595,

272.1623, 166.7640

0.0000

319.1870,
325.7529, 207.0475

■ 0.0000, 0.0000,
0.0000

■ 50.1111, 49.8179,
18.0410

■ 50.1111, 49.8179,
18.0410

■ 47.6174, 46.2687,
12.7771

■ 53.0054, 53.6858,
24.9279

■ 45.4925, 43.0169,
8.9916

■ 56.3221, 57.8779,
33.5596

■ 43.7043, 40.0491,
6.5193

■ 60.0851, 62.4081,
44.0495

■ 42.2080, 37.3445,
5.1330

■ 64.3154, 67.2873,
56.5007

■ 41.8906, 36.7551,
4.8866

■ 69.0325, 72.5257,
71.0085

■ 74.2548, 78.1329,
87.6620

■ 79.9994, 84.1182,
106.5451

■ 82.4269, 88.9479,
107.4320

■ 84.9471, 93.9883,
108.2721

Harmonies

Analogous

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



59.3079, 49.8179, 23.6085



50.1111, 49.8179, 18.0410



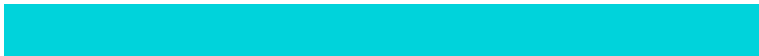
41.2523, 49.8179, 19.4277

Triad

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



50.1111, 49.8179, 18.0410



32.7173, 49.8179, 74.6450



62.4863, 49.8179, 92.5330

Complementary

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



50.1111, 49.8179, 18.0410



28.5110, 27.6766, 76.5121

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.



54.0217, 49.8179, 116.3991



50.1111, 49.8179, 18.0410



37.1189, 49.8179, 103.9642

Square

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



50.1111, 49.8179, 18.0410



31.9543, 49.8179, 46.8496



44.6930, 49.8179, 121.1499



67.0350, 49.8179, 62.3764

Rectangle

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



50.1111, 49.8179, 18.0410



36.6481, 49.8179, 24.3845



44.6930, 49.8179, 121.1499



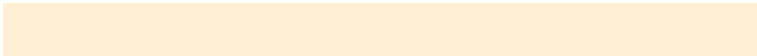
59.9565, 49.8179, 101.9153

Sweetspot

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



50.1123, 49.8203, 18.0420



84.0776, 87.9919, 74.6089



40.8982, 26.7117, 29.3997



17.7453, 18.5498, 15.2156



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.



50.1123, 49.8203, 18.0420



61.4765, 59.4719, 15.6458



56.0260, 69.4157, 21.5126



15.1439, 15.9018, 15.1756



24.5450, 21.6641, 2.8879



1.9009, 1.7752, 0.2425

Inverse Universe

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



28.5110, 27.6766, 76.5121



30.9769, 28.2810, 98.4339



24.9187, 17.4541, 74.7283



14.0039, 14.7291, 18.2493



9.9215, 6.9052, 43.1931



0.8187, 0.6813, 3.2203

Previews

White Background



This preview shows how the XYZ color 50.1111, 49.8179, 18.0410 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 50.1111, 49.8179, 18.0410 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 50.1111, 49.8179, 18.0410

Background



This preview shows how black text looks on a background with the XYZ color 50.1111, 49.8179, 18.0410.



This preview shows how white text looks on a background with the XYZ color 50.1111, 49.8179,

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

50.1111, 49.8179, 18.0410

Protanopia

45.9675, 50.1327, 19.0582

Deuteranopia

50.8645, 49.9077, 18.0186



Tritanopia

56.8537, 49.6608, 51.3887

Trichromacy



Original Color

50.1111, 49.8179, 18.0410

Protanomaly

47.2851, 49.8759, 18.6901

Deuteranomaly

50.5445, 49.7427, 18.0037

Tritanomaly

53.6770, 49.4954, 36.0026

Monochromacy



Original Color

50.1111, 49.8179, 18.0410

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.4204, 48.4133, 36.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1111, 49.8179, 18.0410 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(227, 180, 96)` looks like.

```
.text, #text, p{  
    color:rgb(227, 180, 96)  
}
```

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(227, 180, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 180, 96) }
```

Border

The CSS property to change the border of an element to XYZ 50.1111, 49.8179, 18.0410 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(227, 180, 96) }
```


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

```
.border{ border-color:rgb(227, 180, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 180, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 180, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 180, 96);  
box-shadow:4px 4px 4px 4px rgb(227, 180,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1111, 49.8179, 18.0410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 180, 96) }
```

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

```
.background{ background-color: rgb(227,  
180, 96) }
```

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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