

Converting Colors

XYZ(50.0528, 48.8434, 21.2275)

Have a look what the booklet for
XYZ(50.0528, 48.8434, 21.2275)
contains.

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Color

**XYZ(50.1610, 48.8793,
21.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B16D
RGB	227, 177, 109
RGB Percent	89%, 69%, 43%
CMY	0.1098, 0.3059, 0.5725
CMYK	0.00, 0.22, 0.52, 0.11
HSL	35°, 68%, 66%
HSV	35°, 52%, 89%
XYZ	50.1610, 48.8793, 21.2589
YIQ	184.1980, 51.6280, -10.5480

Conversions

Conversions Part 2

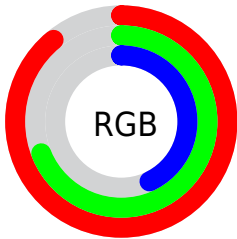
Format	Color
R _Y B	196, 227, 109
Decimal	14922093
CIE Lab	75.38, 10.20, 41.52
CIE LCh	75, 42.753, 76.201
Yxy	48.8793, 0.4170, 0.4063
Android (android.graphics.Color)	4293112173 (0xFFE3B16D)
YUV	184.1980, -37.0726, 37.5374
Hunter-Lab	69.9137, 5.7193, 30.9111

Details

The XYZ color **50.1610, 48.8793, 21.2589** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.5694, 33.5922, 77.4401**, and the grayscale version is **45.8491, 48.2368, 52.5299**.

A 20% lighter version of the original color is **76.9005, 82.1465, 45.9852**, and **24.4852, 23.4180, 7.3673** is the 20% darker color. If you saturate the color by 10%, you get **47.2603, 44.7876, 15.0220**, and if you desaturate by 10%, it is **53.5135, 53.3698, 29.2040**.

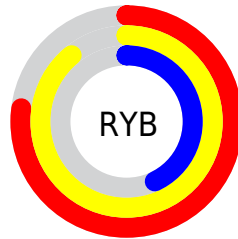
Distribution



Red (89%)

Green (69%)

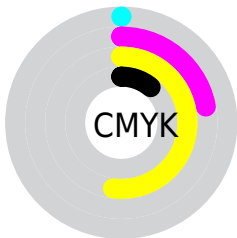
Blue (43%)



Red (77%)

Yellow (89%)

Blue (43%)

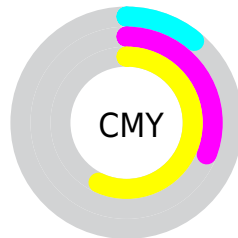


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (11%)



Cyan (11%)


Magenta (31%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1610, 48.8793, 21.2589 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 50.1610, 48.8793, 21.2589 by changing the saturation by 10% instead.


 50.1610, 48.8793,
21.2589


 50.1610, 48.8793,
21.2589


377.7368,
382.2670, 271.4773

 35.7597, 34.5237,
13.1203


 89.6038, 88.5122,
46.4044


 24.4179, 23.2962,
7.3797


 115.3759,
114.5583, 64.2484

 15.7703, 14.8124,
3.6187


 145.6690,
145.2700, 86.1645

 9.4516, 8.6878,
1.4186

 180.8485,
181.0317, 112.5714

 5.0963, 4.5381,
0.1561

221.2796,
222.2279, 143.8876

 2.3392, 1.9789,
0.0000

267.3278,

 0.8146, 0.5952,

269.2429, 180.5317

0.0000

319.3584,
322.4611, 222.9220

■ 0.0000, 0.0000,
0.0000

■ 50.1610, 48.8793,
21.2589

■ 50.1610, 48.8793,
21.2589

■ 47.2603, 44.7876,
15.0220

■ 53.5135, 53.3698,
29.2040

■ 44.7804, 41.0721,
10.3589

■ 57.3391, 58.2661,
38.9721

■ 42.6909, 37.7182,
7.1192

■ 61.6617, 63.5839,
50.6713

■ 40.9548, 34.7062,
5.1214

■ 66.5025, 69.3356,
64.4003

■ 39.7711, 32.5161,
4.1801

■ 71.8813, 75.5330,
80.2512

■ 77.8165, 82.1874,
98.3102

■ 82.1782, 88.4505,
107.3491

■ 85.1533, 94.4007,
108.3408

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



57.7357, 48.8793, 27.6740



50.1610, 48.8793, 21.2589



42.3638, 48.8793, 21.5149

Triad

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



50.1610, 48.8793, 21.2589



33.3921, 48.8793, 66.2483



58.2556, 48.8793, 89.1947

Complementary

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



50.1610, 48.8793, 21.2589



32.5694, 33.5922, 77.4401

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.



50.8085, 48.8793, 106.6124



50.1610, 48.8793, 21.2589



36.7542, 48.8793, 91.0190

Square

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



50.1610, 48.8793, 21.2589



33.2606, 48.8793, 43.5414



42.9425, 48.8793, 107.3612



62.7536, 48.8793, 64.2389

Rectangle

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



50.1610, 48.8793, 21.2589



38.0836, 48.8793, 25.3555



42.9425, 48.8793, 107.3612



55.9787, 48.8793, 96.3995

Sweetspot

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



50.1622, 48.8817, 21.2599



83.8944, 87.1078, 76.1441



43.5042, 29.8113, 36.7806



17.6779, 18.3130, 15.5075



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.



50.1622, 48.8817, 21.2599



61.3796, 58.0943, 19.2631



59.4829, 71.1228, 25.0616



15.0633, 15.7405, 15.1487



23.3126, 19.1994, 2.4771



1.8143, 1.6019, 0.2136

Inverse Universe

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



32.5694, 33.5922, 77.4401



36.2239, 36.2654, 99.6985



26.6524, 20.2566, 75.1779



14.0823, 14.8859, 18.2754



10.6450, 8.3522, 43.4342



0.8770, 0.7980, 3.2398

Previews

White Background



This preview shows how the XYZ color 50.1610, 48.8793, 21.2589 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 50.1610, 48.8793, 21.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

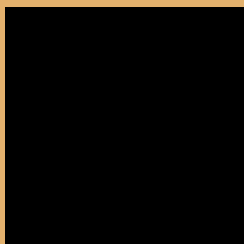
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1610, 48.8793, 21.2589

Background



This preview shows how black text looks on a background with the XYZ color 50.1610, 48.8793, 21.2589.



This preview shows how white text looks on a background with the XYZ color 50.1610, 48.8793,

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

50.1610, 48.8793, 21.2589

Protanopia

45.1121, 48.9842, 22.4065

Deuteranopia

49.8465, 48.7172, 21.2442



Tritanopia

55.9474, 48.6651, 50.1606

Trichromacy



Original Color

50.1610, 48.8793, 21.2589

Protanomaly

46.9541, 49.0117, 22.0244

Deuteranomaly

49.8465, 48.7172, 21.2442

Tritanomaly

53.4343, 48.4813, 37.5519

Monochromacy



Original Color

50.1610, 48.8793, 21.2589

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.4291, 47.7614, 38.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1610, 48.8793, 21.2589 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, 177, 109)` looks like.

```
.text, #text, p{  
    color:rgb(227, 177, 109)  
}
```

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, 177, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 177, 109) }
```

Border

The CSS property to change the border of an element to XYZ 50.1610, 48.8793, 21.2589 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, 177, 109) }
```


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

```
.border{ border-color:rgb(227, 177, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 177, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 177, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 177, 109);  
box-shadow:4px 4px 4px 4px rgb(227, 177,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1610, 48.8793, 21.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 177, 109) }
```

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

```
.background{ background-color: rgb(227,  
177, 109) }
```

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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