

Converting Colors

XYZ(50.5424, 50.6781, 8.8275)

Have a look what the booklet for
XYZ(50.5424, 50.6781, 8.8275)
contains.

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Color

**XYZ(50.4621, 50.5050,
8.8391)**

Conversions

Conversions Part 1

Format	Color
Hex	E9B525
RGB	233, 181, 37
RGB Percent	91%, 71%, 15%
CMY	0.0863, 0.2902, 0.8549
CMYK	0.00, 0.22, 0.84, 0.09
HSL	44°, 82%, 53%
HSV	44°, 84%, 91%
XYZ	50.4621, 50.5050, 8.8391
YIQ	180.1320, 77.2160, -33.7600

Conversions

Conversions Part 2

Format	Color
RYB	108, 233, 37
Decimal	15316261
CIELab	76.38, 6.69, 72.67
CIElCh	76, 72.981, 84.744
Yxy	50.5050, 0.4596, 0.4599
Android (android.graphics.Color)	4293506341 (0xFFE9B525)
YUV	180.1320, -70.5641, 46.3652
Hunter-Lab	71.0669, 2.3796, 42.3725

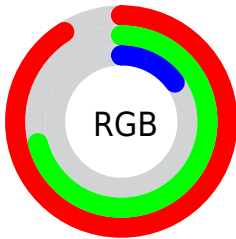
Details

The XYZ color **50.4621, 50.5050, 8.8391** is a light color, and the websafe version is hex **FFCC33**.

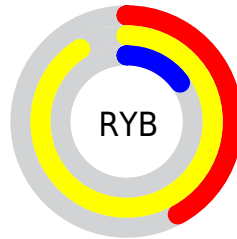
The color can be described as light washed orange. A complement of this color would be **19.0434, 13.4213, 78.6771**, and the grayscale version is **43.7932, 46.0738, 50.1744**.

A 20% lighter version of the original color is **73.6819, 82.6914, 23.3869**, and **24.8635, 24.4712, 3.4130** is the 20% darker color. If you saturate the color by 10%, you get **48.9773, 47.9465, 7.0783**, and if you desaturate by 10%, it is **52.2379, 53.2732, 11.8472**.

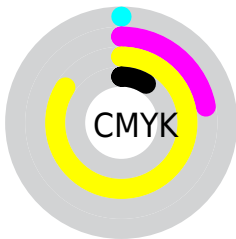
Distribution



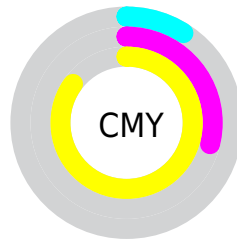
- Red (91%)
- Green (71%)
- Blue (15%)



- Red (42%)
- Yellow (91%)
- Blue (15%)



- Cyan (0%)
- Magenta (22%)
- Yellow (84%)
- Black (9%)





- Cyan (9%)
- Magenta (29%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4621, 50.5050, 8.8391 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 50.4621, 50.5050, 8.8391 by changing the saturation by 10% instead.


 50.4621, 50.5050,
8.8391


 50.4621, 50.5050,
8.8391


378.8925,
388.6375, 192.3467


 36.0000, 35.8148,
4.5410


 90.0469, 90.9227,
24.1605


 24.6043, 24.2912,
1.9266


 115.9003,
117.4189, 36.0209

 15.9097, 15.5498,
0.5096


 146.2816,
148.6193, 51.2391

 9.5507, 9.2061,
0.0000

 181.5560,
184.9083, 70.2337

 5.1620, 4.8759,
0.0000

 222.0889,
226.6702, 93.4232

 2.3784, 2.1746,
0.0000

 268.2457,

 0.8343, 0.7061,

274.2895, 121.2262

0.0000

320.3918,
328.1504, 154.0612

■ 0.0000, 0.0000,
0.0000

■ 50.4621, 50.5050,
8.8391

■ 50.4621, 50.5050,
8.8391

■ 48.9773, 47.9465,
7.0783

■ 52.2379, 53.2732,
11.8472

■ 48.2027, 46.5209,
6.4389

■ 54.3404, 56.2605,
16.3023

■ 56.8030, 59.4832,
22.3718

■ 59.6536, 62.9537,
30.1992

■ 62.9171, 66.6829,
39.9119

■ 66.6160, 70.6809,
51.6258

■ 70.7710, 74.9570,
65.4471

■ 75.4016, 79.5201,
81.4746

■ 80.5260, 84.3783,
99.8008

Harmonies

Analogous

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



64.9081, 50.5050, 13.4793



50.4621, 50.5050, 8.8391



37.7813, 50.5050, 10.9451

Triad

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



50.4621, 50.5050, 8.8391



27.8008, 50.5050, 93.0888



72.9440, 50.5050, 111.1841

Complementary

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



50.4621, 50.5050, 8.8391



19.0434, 13.4213, 78.6771

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.



59.9208, 50.5050, 156.1758



50.4621, 50.5050, 8.8391



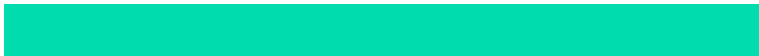
34.3227, 50.5050, 142.6968

Square

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



50.4621, 50.5050, 8.8391



26.2249, 50.5050, 48.3535



45.6261, 50.5050, 169.8375



79.3765, 50.5050, 62.2104

Rectangle

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



50.4621, 50.5050, 8.8391



31.7172, 50.5050, 16.8788



45.6261, 50.5050, 169.8375



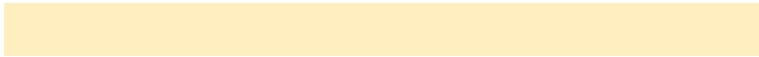
69.0844, 50.5050, 128.0507

Sweetspot

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



50.4632, 50.5075, 8.8401



81.2718, 86.2332, 61.7958



36.0804, 19.3729, 11.3488



17.0433, 18.0810, 12.0980



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.



50.4632, 50.5075, 8.8401



59.0854, 56.9509, 7.8785



50.0318, 69.0096, 12.4341



15.9943, 16.9116, 15.9400



27.4582, 26.6106, 3.6892



2.2342, 2.2456, 0.3157

Inverse Universe

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



19.0434, 13.4213, 78.6771



20.0958, 11.3116, 95.7319



18.9139, 9.0339, 77.8370



14.5562, 15.1988, 19.0887



9.4038, 5.4545, 44.3002



0.8152, 0.5818, 3.5042

Previews

White Background



This preview shows how the XYZ color 50.4621, 50.5050, 8.8391 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 50.4621, 50.5050, 8.8391 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 50.4621, 50.5050, 8.8391

Background



This preview shows how black text looks on a background with the XYZ color 50.4621, 50.5050, 8.8391.



This preview shows how white text looks on a background with the XYZ color 50.4621, 50.5050,

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

50.4621, 50.5050, 8.8391

Protanopia

45.7152, 50.5387, 9.2650

Deuteranopia

51.7298, 50.5573, 8.8658



Tritanopia

59.1464, 50.5894, 50.3634

Trichromacy



Original Color

50.4621, 50.5050, 8.8391

Protanomaly

47.4240, 50.4734, 9.0766

Deuteranomaly

51.2632, 50.6153, 8.9016

Tritanomaly

54.5026, 49.8228, 27.5130

Monochromacy



Original Color

50.4621, 50.5050, 8.8391

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.7707, 46.3431, 27.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4621, 50.5050, 8.8391 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(233, 181, 37)` looks like.

```
.text, #text, p{  
    color:rgb(233, 181, 37)  
}
```

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(233, 181, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 181, 37) }
```

Border

The CSS property to change the border of an element to XYZ 50.4621, 50.5050, 8.8391 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(233, 181, 37) }
```


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

```
.border{ border-color:rgb(233, 181, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 181, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 181, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 181, 37);  
box-shadow:4px 4px 4px 4px rgb(233, 181,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4621, 50.5050, 8.8391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 181, 37) }
```

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

```
.background{ background-color: rgb(233,  
181, 37) }
```

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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