

Converting Colors

XYZ(50.5662, 53.4705, 8.1698)

Have a look what the booklet for
XYZ(50.5662, 53.4705, 8.1698)
contains.

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Color

**XYZ(50.5095, 53.3614,
8.1679)**

Conversions

Conversions Part 1

Format	Color
Hex	E4BE11
RGB	228, 190, 17
RGB Percent	89%, 75%, 7%
CMY	0.1059, 0.2549, 0.9333
CMYK	0.00, 0.17, 0.93, 0.11
HSL	49°, 86%, 48%
HSV	49°, 93%, 89%
XYZ	50.5095, 53.3614, 8.1679
YIQ	181.6400, 78.1810, -45.7470

Conversions

Conversions Part 2

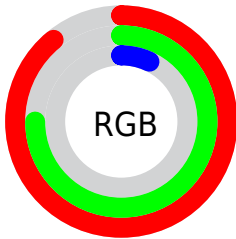
Format	Color
RYB	63, 228, 17
Decimal	14990865
CIELab	78.09, -0.56, 77.87
CIElCh	78, 77.873, 90.410
Yxy	53.3614, 0.4508, 0.4763
Android (android.graphics.Color)	4293180945 (0xFFE4BE11)
YUV	181.6400, -81.1675, 40.6577
Hunter-Lab	73.0489, -4.4121, 44.5048

Details

The XYZ color **50.5095, 53.3614, 8.1679** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **15.6013, 8.4536, 74.2075**, and the grayscale version is **44.6672, 46.9934, 51.1758**.

A 20% lighter version of the original color is **75.9572, 87.8761, 22.1909**, and **25.0941, 26.2162, 3.7376** is the 20% darker color. If you saturate the color by 10%, you get **49.7528, 52.0102, 7.4167**, and if you desaturate by 10%, it is **51.6911, 55.2792, 9.9364**.

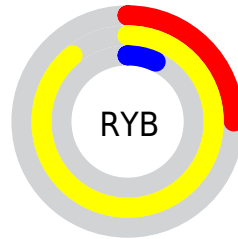
Distribution



Red (89%)

Green (75%)

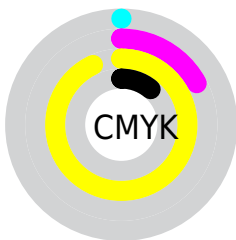
Blue (7%)



Red (25%)

Yellow (89%)

Blue (7%)

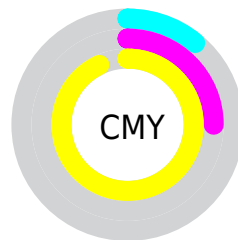


Cyan (0%)

Magenta (17%)

Yellow (93%)

Black (11%)



Cyan (11%)

Magenta (25%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5095, 53.3614, 8.1679 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 50.5095, 53.3614, 8.1679 by changing the saturation by 10% instead.

50.5095, 53.3614,
8.1679

50.5095, 53.3614,
8.1679

379.0742,
399.6701, 187.0266

36.0379, 38.0914,
4.1133

90.1166, 95.1360,
22.8385

24.6337, 26.0536,
1.6877

115.9828,
122.4092, 34.2916

15.9316, 16.8637,
0.3523

146.3779,
154.4524, 49.0479

9.5663, 10.1374,
0.0000

181.6673,
191.6498, 67.5259

5.1724, 5.4901,
0.0000

222.2162,
234.3859, 90.1443

2.3846, 2.5376,
0.0000

268.3901,

0.8374, 0.8954,

283.0451, 117.3215

0.0000

320.5543,
338.0117, 149.4761

■ 0.0000, 0.0000,
0.0000

■ 50.5095, 53.3614,
8.1679

■ 50.5095, 53.3614,
8.1679

■ 49.7528, 52.0102,
7.4167

■ 51.6911, 55.2792,
9.9364

■ 53.1249, 57.3361,
12.9132

■ 54.8472, 59.5492,
17.2840

■ 56.8874, 61.9305,
23.2024

■ 59.2710, 64.4904,
30.8013

■ 62.0206, 67.2385,
40.1997

■ 65.1571, 70.1832,
51.5055

■ 68.6994, 73.3325,
64.8181

■ 72.6652, 76.6938,
80.2302

Harmonies

Analogous

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



66.5563, 53.3614, 11.4870



50.5095, 53.3614, 8.1679



37.3202, 53.3614, 11.6916

Triad

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



50.5095, 53.3614, 8.1679



29.4636, 53.3614, 111.5821



80.6031, 53.3614, 109.9864

Complementary

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



50.5095, 53.3614, 8.1679



15.6013, 8.4536, 74.2075

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.



66.9916, 53.3614, 164.2627



50.5095, 53.3614, 8.1679



37.6163, 53.3614, 165.4635

Square

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



50.5095, 53.3614, 8.1679



26.7533, 53.3614, 58.7027



50.9279, 53.3614, 188.3662



85.9032, 53.3614, 57.5044

Rectangle

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



50.5095, 53.3614, 8.1679



31.3706, 53.3614, 19.4268



50.9279, 53.3614, 188.3662



76.7296, 53.3614, 129.4030

Sweetspot

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



50.5107, 53.3640, 8.1689



81.6445, 88.2933, 57.8671



32.9016, 17.1777, 5.2838



17.1129, 18.5524, 11.0974



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.



50.5107, 53.3640, 8.1689



64.0605, 66.9010, 9.5368



42.5800, 63.1232, 10.4707



15.3693, 16.3525, 15.2508



28.8091, 30.1923, 4.3093



2.1867, 2.3467, 0.3377

Inverse Universe

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



15.6013, 8.4536, 74.2075



19.0238, 9.1676, 95.3746



17.8447, 7.8795, 73.9784



13.7917, 14.3047, 18.1785



8.6066, 4.2752, 42.7548



0.6972, 0.4384, 3.1798

Previews

White Background



This preview shows how the XYZ color 50.5095, 53.3614, 8.1679 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 50.5095, 53.3614, 8.1679 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 50.5095, 53.3614, 8.1679

Background



This preview shows how black text looks on a background with the XYZ color 50.5095, 53.3614, 8.1679.



This preview shows how white text looks on a background with the XYZ color 50.5095, 53.3614,

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

50.5095, 53.3614, 8.1679

Protanopia

48.3228, 53.5360, 8.4027

Deuteranopia

54.4172, 53.1703, 8.3145



Tritanopia

60.2763, 53.3391, 55.8338

Trichromacy



Original Color

50.5095, 53.3614, 8.1679

Protanomaly

49.3033, 53.7132, 8.3414

Deuteranomaly

52.9636, 53.3529, 8.2657

Tritanomaly

54.4904, 52.4806, 27.3365

Monochromacy



Original Color

50.5095, 53.3614, 8.1679

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.4150, 48.2452, 25.3837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5095, 53.3614, 8.1679 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, 190, 17)` looks like.

```
.text, #text, p{  
    color:rgb(228, 190, 17)  
}
```

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, 190, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 190, 17) }
```

Border

The CSS property to change the border of an element to XYZ 50.5095, 53.3614, 8.1679 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, 190, 17) }
```


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

```
.border{ border-color:rgb(228, 190, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 190, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 190, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 190, 17);  
box-shadow:4px 4px 4px 4px rgb(228, 190,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5095, 53.3614, 8.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 190, 17) }
```

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

```
.background{ background-color: rgb(228,  
190, 17) }
```

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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