

Converting Colors

XYZ(53.4863, 55.0526, 7.8072)

Have a look what the booklet for
XYZ(53.4863, 55.0526, 7.8072)
contains.

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Color

**XYZ(53.3385, 54.8314,
7.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	EDBE00
RGB	237, 190, 0
RGB Percent	93%, 75%, 0%
CMY	0.0706, 0.2549, 0.9999
CMYK	0.00, 0.20, 1.00, 0.07
HSL	48°, 100%, 46%
HSV	48°, 100%, 93%
XYZ	53.3385, 54.8314, 7.7723
YIQ	182.3930, 89.0020, -49.1260

Conversions

Conversions Part 2

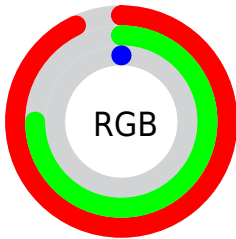
Format	Color
R _Y B	59, 237, 0
Decimal	15580672
CIE Lab	78.94, 3.18, 80.73
CIE LCh	79, 80.794, 87.747
Yxy	54.8314, 0.4600, 0.4729
Android (android.graphics.Color)	4293770752 (0xFFEDBE00)
YUV	182.3930, -89.9197, 47.8903
Hunter-Lab	74.0482, -1.0071, 45.6105

Details

The XYZ color **53.3385, 54.8314, 7.7723** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed orange. A complement of this color would be **16.3033, 8.1487, 80.8337**, and the grayscale version is **45.1222, 47.4720, 51.6970**.

A 20% lighter version of the original color is **75.7571, 87.7961, 21.1371**, and **26.8502, 27.1214, 3.8198** is the 20% darker color. If you saturate the color by 10%, you get **53.3387, 54.8322, 7.7724**, and if you desaturate by 10%, it is **54.5361, 56.9678, 8.9706**.

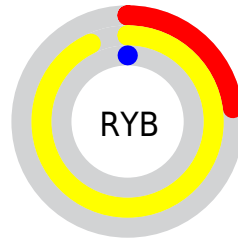
Distribution



Red (93%)

Green (75%)

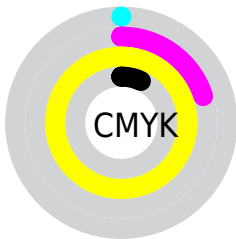
Blue (0%)



Red (23%)

Yellow (93%)

Blue (0%)

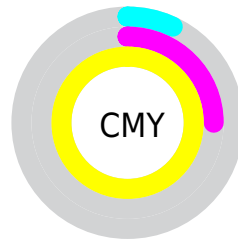


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3385, 54.8314, 7.7723 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 53.3385, 54.8314, 7.7723 by changing the saturation by 10% instead.


 53.3385, 54.8314,
7.7723


 53.3385, 54.8314,
7.7723


389.8221,
405.2725, 183.8024


 38.3016, 39.2668,
3.8639


 94.2649, 97.2939,
22.0496

 26.3951, 26.9673,
1.5510


 120.8851,
124.9605, 33.2556

 17.2537, 17.5487,
0.2555


 152.0971,
157.4299, 47.7312

 10.5120, 10.6264,
0.0000

 188.2663,
195.0865, 65.8950

 5.8046, 5.8162,
0.0000

 229.7581,
238.3147, 88.1654

 2.7661, 2.7337,
0.0000

 276.9377,

 1.0313, 0.9943,

287.4988, 114.9611

0.0000

330.1706,
343.0233, 146.7006

■ 0.0000, 0.0000,
0.0000

■ 53.3385, 54.8314,
7.7723

■ 53.3385, 54.8314,
7.7723

■ 53.3387, 54.8322,
7.7724

■ 54.5361, 56.9678,
8.9706

■ 55.9633, 59.2469,
11.2204

■ 57.6840, 61.6968,
14.8502

■ 59.7349, 64.3328,
20.0531

■ 62.1473, 67.1678,
26.9917

■ 64.9484, 70.2131,
35.8078

■ 68.1626, 73.4789,
46.6289

■ 71.8123, 76.9748,
59.5712

■ 75.9181, 80.7092,
74.7420

Harmonies

Analogous

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



70.3844, 54.8314, 11.8056



53.3385, 54.8314, 7.7723



39.0254, 54.8314, 10.6649

Triad

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



53.3385, 54.8314, 7.7723



29.2932, 54.8314, 111.0398



82.8205, 54.8314, 120.3943

Complementary

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



53.3385, 54.8314, 7.7723



16.3033, 8.1487, 80.8337

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.



67.8475, 54.8314, 177.0867



53.3385, 54.8314, 7.7723



37.3178, 54.8314, 170.0088

Square

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



53.3385, 54.8314, 7.7723



26.9571, 54.8314, 56.2938



50.9115, 54.8314, 198.7588



89.4430, 54.8314, 63.2452

Rectangle

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



53.3385, 54.8314, 7.7723



32.4446, 54.8314, 17.8059



50.9115, 54.8314, 198.7588



78.4639, 54.8314, 141.0519

Sweetspot

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



53.3397, 54.8341, 7.7734



80.4362, 86.7146, 54.8813



35.4466, 18.2135, 4.3810



16.8603, 18.2044, 10.5282



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.



53.3397, 54.8341, 7.7734



62.9360, 64.6520, 9.1620



45.9903, 68.6648, 10.8303



16.0835, 17.0899, 15.9697



29.2158, 30.1257, 4.2750



2.3586, 2.4946, 0.3572

Inverse Universe

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



16.3033, 8.1487, 80.8337



19.2150, 9.5500, 95.4383



17.8932, 7.4588, 80.6167



14.4730, 15.0325, 19.0610



8.9735, 4.5941, 44.1568



0.7707, 0.4928, 3.4894

Previews

White Background



This preview shows how the XYZ color 53.3385, 54.8314, 7.7723 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 53.3385, 54.8314, 7.7723 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 53.3385, 54.8314, 7.7723

Background



This preview shows how black text looks on a background with the XYZ color 53.3385, 54.8314, 7.7723.



This preview shows how white text looks on a background with the XYZ color 53.3385, 54.8314,

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

53.3385, 54.8314, 7.7723

Protanopia

49.6135, 54.8739, 8.2640

Deuteranopia

56.0102, 54.9294, 8.1406



Tritanopia

63.3742, 54.9361, 55.9788

Trichromacy



Original Color

53.3385, 54.8314, 7.7723

Protanomaly

51.0032, 54.9276, 8.0862

Deuteranomaly

54.7873, 54.6172, 7.9417

Tritanomaly

57.1413, 53.8911, 25.4795

Monochromacy



Original Color

53.3385, 54.8314, 7.7723

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.8585, 48.5154, 23.5231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3385, 54.8314, 7.7723 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(237, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 190, 0)  
}
```

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(237, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 190, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.3385, 54.8314, 7.7723 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(237, 190, 0) }
```


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

```
.border{ border-color:rgb(237, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 190,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3385, 54.8314, 7.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 190, 0) }
```

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

```
.background{ background-color: rgb(237,  
190, 0) }
```

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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