

Converting Colors

XYZ(49.4764, 54.1373, 8.1585)

Have a look what the booklet for
XYZ(49.4764, 54.1373, 8.1585)
contains.

XYZ(49.4764, 54.1373, 8.1585)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4764, 54.1373,
8.1585)**

Conversions

Conversions Part 1

Format	Color
Hex	DEC20B
RGB	222, 194, 11
RGB Percent	87%, 76%, 4%
CMY	0.1294, 0.2392, 0.9568
CMYK	0.00, 0.13, 0.95, 0.13
HSL	52°, 91%, 46%
HSV	52°, 95%, 87%
XYZ	49.4764, 54.1373, 8.1585
YIQ	181.5100, 75.4310, -50.9770

Conversions

Conversions Part 2

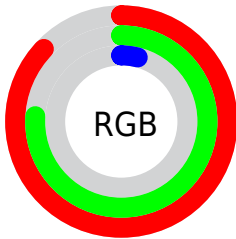
Format	Color
R _Y B	43, 222, 11
Decimal	14598667
CIE Lab	78.54, -5.29, 78.69
CIE LCh	79, 78.864, 93.849
Yxy	54.1373, 0.4427, 0.4844
Android (android.graphics.Color)	4292788747 (0xFFDEC20B)
YUV	181.5100, -84.0614, 35.5097
Hunter-Lab	73.5781, -8.7321, 44.9304

Details

The XYZ color **49.4764, 54.1373, 8.1585** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed yellow. A complement of this color would be **14.0490, 6.7972, 69.6783**, and the grayscale version is **44.6131, 46.9364, 51.1138**.

A 20% lighter version of the original color is **77.1053, 90.3031, 22.1705**, and **24.4252, 26.7311, 3.8723** is the 20% darker color. If you saturate the color by 10%, you get **49.0932, 53.4679, 7.7328**, and if you desaturate by 10%, it is **50.3569, 55.5510, 9.5235**.

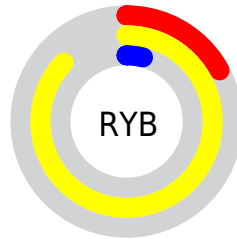
Distribution



Red (87%)

Green (76%)

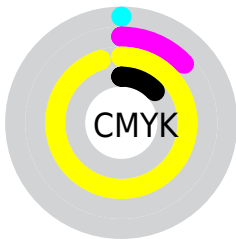
Blue (4%)



Red (17%)

Yellow (87%)

Blue (4%)

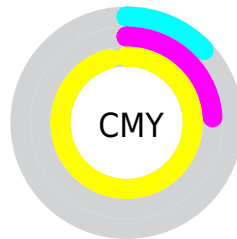


Cyan (0%)

Magenta (13%)

Yellow (95%)

Black (13%)



Cyan (13%)

Magenta (24%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4764, 54.1373, 8.1585 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 49.4764, 54.1373, 8.1585 by changing the saturation by 10% instead.

■ 49.4764, 54.1373,
8.1585

■ 49.4764, 54.1373,
8.1585

375.1007,
402.6334, 186.9508

■ 35.2136, 38.7114,
4.1073

■ 88.5951, 96.2758,
22.8199

■ 23.9948, 26.5353,
1.6844

■ 114.1817,
123.7573, 34.2671

■ 15.4545, 17.2245,
0.3500

■ 144.2736,
156.0260, 49.0168

■ 9.2273, 10.3947,
0.0000

■ 179.2363,
193.4665, 67.4875

■ 4.9481, 5.6614,
0.0000

■ 219.4349,
236.4631, 90.0977

■ 2.2513, 2.6403,
0.0000

■ 265.2350,

■ 0.7695, 0.9470,

285.4001, 117.2659

0.0000

317.0018,
340.6621, 149.4108

■ 0.0000, 0.0000,
0.0000

■ 49.4764, 54.1373,
8.1585

■ 49.4764, 54.1373,
8.1585

■ 49.0932, 53.4679,
7.7328

■ 50.3569, 55.5510,
9.5235

■ 51.4542, 57.0703,
11.9714

■ 52.8044, 58.7117,
15.6862

■ 54.4360, 60.4869,
20.8175

■ 56.3734, 62.4056,
27.4937

■ 58.6384, 64.4767,
35.8291

■ 61.2507, 66.7083,
45.9272

■ 64.2284, 69.1075,
57.8828

■ 67.5883, 71.6814,
71.7843

Harmonies

Analogous

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



65.7777, 54.1373, 10.6715



49.4764, 54.1373, 8.1585



36.5449, 54.1373, 12.6171

Triad

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



49.4764, 54.1373, 8.1585



30.4190, 54.1373, 120.5996



83.2006, 54.1373, 105.2676

Complementary

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



49.4764, 54.1373, 8.1585



14.0490, 6.7972, 69.6783

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.



69.9544, 54.1373, 162.3792



49.4764, 54.1373, 8.1585



39.3802, 54.1373, 173.9290

Square

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



49.4764, 54.1373, 8.1585



27.0338, 54.1373, 64.8782



53.4875, 54.1373, 192.1508



87.3889, 54.1373, 53.3875

Rectangle

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



49.4764, 54.1373, 8.1585



30.9065, 54.1373, 21.5091



53.4875, 54.1373, 192.1508



79.5444, 54.1373, 125.1943

Sweetspot

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



49.4776, 54.1399, 8.1596



82.2949, 90.0169, 56.7806



30.6126, 15.9168, 3.3915



17.2915, 18.9890, 10.9122



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.



49.4776, 54.1399, 8.1596



67.1402, 73.0604, 10.5634



37.7955, 58.2536, 9.5693



14.7085, 15.7030, 14.5625



29.2197, 31.8774, 4.6129



2.0690, 2.2968, 0.3343

Inverse Universe

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



14.0490, 6.7972, 69.6783



18.6173, 8.3546, 95.2391



17.3652, 7.6071, 69.6598



13.0979, 13.5350, 17.3099



8.1448, 3.7592, 41.3447



0.6126, 0.3567, 2.8818

Previews

White Background



This preview shows how the XYZ color 49.4764, 54.1373, 8.1585 looks on a white background.

Color Contrast Check

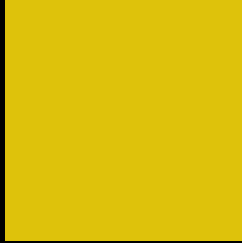
Large Text (above 18pt) WCAG AA × Fail

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 49.4764, 54.1373, 8.1585 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 49.4764, 54.1373, 8.1585

Background



This preview shows how black text looks on a background with the XYZ color 49.4764, 54.1373, 8.1585.

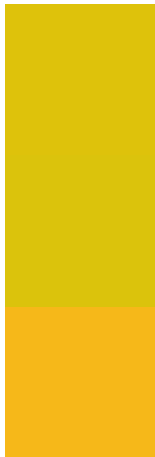


This preview shows how white text looks on a background with the XYZ color 49.4764, 54.1373,

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

49.4764, 54.1373, 8.1585

Protanopia

48.7949, 54.1168, 8.2217

Deuteranopia

55.3220, 53.9440, 8.4162



Tritanopia

59.6631, 53.8612, 58.2906

Trichromacy



Original Color

49.4764, 54.1373, 8.1585

Protanomaly

49.0967, 54.2724, 8.2358

Deuteranomaly

53.0345, 54.0215, 8.2938

Tritanomaly

53.4928, 52.8882, 27.4677

Monochromacy



Original Color

49.4764, 54.1373, 8.1585

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.9750, 48.3442, 24.7829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4764, 54.1373, 8.1585 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(222, 194, 11)` looks like.

```
.text, #text, p{  
    color:rgb(222, 194, 11)  
}
```

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(222, 194, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 194, 11) }
```

Border

The CSS property to change the border of an element to XYZ 49.4764, 54.1373, 8.1585 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(222, 194, 11) }
```


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

```
.border{ border-color:rgb(222, 194, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 194, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 194, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 194, 11);  
box-shadow:4px 4px 4px 4px rgb(222, 194,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4764, 54.1373, 8.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 194, 11) }
```

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

```
.background{ background-color: rgb(222,  
194, 11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor