

Converting Colors

XYZ(45.4668, 53.9673, 8.0204)

Have a look what the booklet for
XYZ(45.4668, 53.9673, 8.0204)
contains.

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Color

**XYZ(45.5561, 54.1459,
8.0501)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC800
RGB	204, 200, 0
RGB Percent	80%, 78%, 0%
CMY	0.2000, 0.2157, 0.9999
CMYK	0.00, 0.02, 1.00, 0.20
HSL	59°, 100%, 40%
HSV	59°, 100%, 80%
XYZ	45.5561, 54.1459, 8.0501
YIQ	178.3960, 66.5840, -61.3520

Conversions

Conversions Part 2

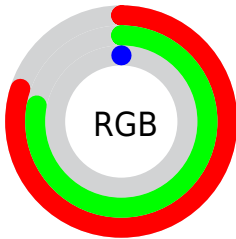
Format	Color
R_{YB}	4, 204, 0
Decimal	13420544
CIE _{Lab}	78.55, -16.23, 79.07
CIE _{LCh}	79, 80.719, 101.601
Yxy	54.1459, 0.4228, 0.5025
Android (android.graphics.Color)	4291610624 (0xFFCCC800)
YUV	178.3960, -87.9492, 22.4547
Hunter-Lab	73.5839, -18.2617, 45.0224

Details

The XYZ color **45.5561, 54.1459, 8.0501** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **10.9429, 4.4469, 57.4079**, and the grayscale version is **42.9567, 45.1938, 49.2161**.

A 20% lighter version of the original color is **78.6002, 93.4201, 22.2767**, and **21.9559, 26.5775, 3.9728** is the 20% darker color. If you saturate the color by 10%, you get **45.5571, 54.1482, 8.0505**, and if you desaturate by 10%, it is **45.7799, 54.3857, 8.7663**.

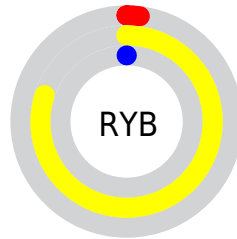
Distribution



Red (80%)

Green (78%)

Blue (0%)



Red (2%)

Yellow (80%)

Blue (0%)

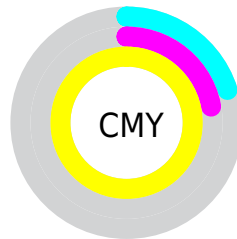


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5561, 54.1459, 8.0501 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 45.5561, 54.1459, 8.0501 by changing the saturation by 10% instead.


 45.5561, 54.1459,
8.0501

 45.5561, 54.1459,
8.0501


359.7671,
402.6661, 186.0737

 32.0988, 38.7183,
4.0388


 82.7862, 96.2884,
22.6044

 21.5929, 26.5407,
1.6466


 107.2897,
123.7722, 33.9845

 13.6730, 17.2286,
0.3238


 136.2061,
156.0434, 48.6578

 7.9738, 10.3976,
0.0000

 169.9005,
193.4866, 67.0431

 4.1298, 5.6634,
0.0000

 208.7385,
236.4860, 89.5588

 1.7758, 2.6415,
0.0000

 253.0854,

 0.5031, 0.9476,

285.4262, 116.6234

0.0000

303.3064,
340.6914, 148.6555

■ 0.0000, 0.0000,
0.0000

■ 45.5561, 54.1459,
8.0501

■ 45.5561, 54.1459,
8.0501

■ 45.5571, 54.1482,
8.0505

■ 45.7799, 54.3857,
8.7663

■ 46.1398, 54.6783,
10.2037

■ 46.6841, 55.0450,
12.6105

■ 47.4378, 55.4958,
16.1189

■ 48.4221, 56.0393,
20.8405

■ 49.6557, 56.6829,
26.8733

■ 51.1551, 57.4332,
34.3053

■ 52.9358, 58.2964,
43.2167

■ 55.0117, 59.2780,
53.6819

Harmonies

Analogous

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



61.7321, 54.1459, 8.7840



45.5561, 54.1459, 8.0501



33.7135, 54.1459, 14.7218

Triad

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



45.5561, 54.1459, 8.0501



31.8163, 54.1459, 138.3157



86.2765, 54.1459, 91.1439

Complementary

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



45.5561, 54.1459, 8.0501



10.9429, 4.4469, 57.4079

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.



74.5547, 54.1459, 151.6899



45.5561, 54.1459, 8.0501



42.4028, 54.1459, 187.2212

Square

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



45.5561, 54.1459, 8.0501



26.9446, 54.1459, 78.3798



57.8619, 54.1459, 193.0882



87.6077, 54.1459, 43.0391

Rectangle

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



45.5561, 54.1459, 8.0501



28.9785, 54.1459, 26.3418



57.8619, 54.1459, 193.0882



83.3235, 54.1459, 111.1890

Sweetspot

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



45.5573, 54.1484, 8.0512



84.6102, 95.0625, 56.2726



24.9392, 12.8527, 1.3623



17.8728, 20.2296, 10.8658



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.



45.5573, 54.1484, 8.0512



75.4279, 89.6358, 13.3260



27.8761, 46.4246, 7.4923



12.1343, 13.0575, 11.9602



28.6830, 34.0989, 5.0700



1.4858, 1.7714, 0.2636

Inverse Universe

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



10.9429, 4.4469, 57.4079



18.1042, 7.3284, 95.0681



15.6405, 6.8043, 57.6153



10.6191, 10.8786, 14.1105



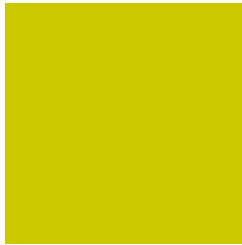
6.8952, 2.8145, 36.1361



0.3620, 0.1578, 1.8663

Previews

White Background



This preview shows how the XYZ color 45.5561, 54.1459, 8.0501 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 45.5561, 54.1459, 8.0501 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 45.5561, 54.1459, 8.0501

Background



This preview shows how black text looks on a background with the XYZ color 45.5561, 54.1459, 8.0501.



This preview shows how white text looks on a background with the XYZ color 45.5561, 54.1459,

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

45.5561, 54.1459, 8.0501

Protanopia

48.7285, 54.0903, 7.8722

Deuteranopia

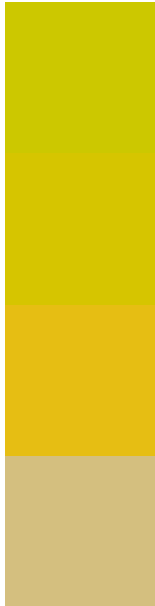
55.0310, 53.7872, 8.7098



Tritanopia

56.5995, 54.0397, 62.0912

Trichromacy



Original Color

45.5561, 54.1459, 8.0501

Protanomaly

47.6978, 54.2286, 7.9532

Deuteranomaly

51.1641, 53.6969, 8.2840

Tritanomaly

49.6129, 52.7910, 27.6535

Monochromacy



Original Color

45.5561, 54.1459, 8.0501

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.0331, 46.8749, 22.5079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5561, 54.1459, 8.0501 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(204, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 200, 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(204, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 200, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.5561, 54.1459, 8.0501 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(204, 200, 0) }
```


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

```
.border{ border-color:rgb(204, 200, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 200, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 200,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5561, 54.1459, 8.0501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 200, 0) }
```

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

```
.background{ background-color: rgb(204,  
200, 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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