

Converting Colors

XYZ(45.0047, 53.5151, 7.9575)

Have a look what the booklet for
XYZ(45.0047, 53.5151, 7.9575)
contains.

XYZ(45.0520, 53.5434, 7.9604)	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(45.0520, 53.5434,
7.9604)**

Conversions

Conversions Part 1

Format	Color
Hex	CBC700
RGB	203, 199, 0
RGB Percent	80%, 78%, 0%
CMY	0.2039, 0.2196, 0.9999
CMYK	0.00, 0.02, 1.00, 0.20
HSL	59°, 100%, 40%
HSV	59°, 100%, 80%
XYZ	45.0520, 53.5434, 7.9604
YIQ	177.5100, 66.2630, -61.0410

Conversions

Conversions Part 2

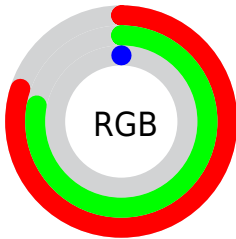
Format	Color
R _Y B	4, 203, 0
Decimal	13354752
CIE Lab	78.19, -16.16, 78.78
CIE LCh	78, 80.417, 101.595
Yxy	53.5434, 0.4228, 0.5025
Android (android.graphics.Color)	4291544832 (0xFFCBC700)
YUV	177.5100, -87.5124, 22.3547
Hunter-Lab	73.1734, -18.1530, 44.7713

Details

The XYZ color **45.0520, 53.5434, 7.9604** 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 **10.8232, 4.3991, 56.7780**, and the grayscale version is **42.4835, 44.6959, 48.6739**.

A 20% lighter version of the original color is **78.6002, 93.4201, 22.2767**, and **21.6270, 26.1801, 3.9134** is the 20% darker color. If you saturate the color by 10%, you get **45.0530, 53.5457, 7.9608**, and if you desaturate by 10%, it is **45.2743, 53.7816, 8.6716**.

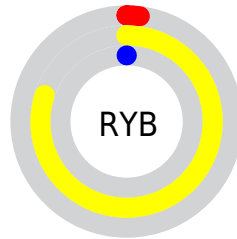
Distribution



Red (80%)

Green (78%)

Blue (0%)



Red (2%)

Yellow (80%)

Blue (0%)

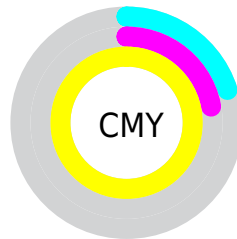


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0520, 53.5434, 7.9604 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 45.0520, 53.5434, 7.9604 by changing the saturation by 10% instead.


 45.0520, 53.5434,
7.9604


 45.0520, 53.5434,
7.9604


357.7643,
400.3665, 185.3441


 31.6998, 38.2367,
3.9822


 82.0350, 95.4035,
22.4257


 21.2868, 26.1665,
1.6156


 106.3966,
122.7257, 33.7498

 13.4474, 16.9482,
0.3019


 135.1587,
154.8219, 48.3597

 7.8165, 10.1976,
0.0000

 168.6866,
192.0765, 66.6739

 4.0286, 5.5302,
0.0000

 207.3458,
234.8739, 89.1108

 1.7183, 2.5616,
0.0000

 251.5016,

 0.4677, 0.9074,

283.5984, 116.0892

0.0000

301.5193,
338.6344, 148.0274

■ 0.0000, 0.0000,
0.0000

■ 45.0520, 53.5434,
7.9604

■ 45.0520, 53.5434,
7.9604

■ 45.0530, 53.5457,
7.9608

■ 45.2743, 53.7816,
8.6716

■ 45.6310, 54.0719,
10.0953

■ 46.1701, 54.4355,
12.4776

■ 46.9162, 54.8823,
15.9489

■ 47.8902, 55.4207,
20.6197

■ 49.1106, 56.0581,
26.5865

■ 50.5939, 56.8009,
33.9363

■ 52.3552, 57.6554,
42.7485

■ 54.4083, 58.6269,
53.0965

Harmonies

Analogous

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



61.0483, 53.5434, 8.6874



45.0520, 53.5434, 7.9604



33.3403, 53.5434, 14.5561

Triad

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



45.0520, 53.5434, 7.9604



31.4611, 53.5434, 136.7636



85.3145, 53.5434, 90.1402

Complementary

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



45.0520, 53.5434, 7.9604



10.8232, 4.3991, 56.7780

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.



73.7218, 53.5434, 150.0109



45.0520, 53.5434, 7.9604



41.9286, 53.5434, 185.1293

Square

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



45.0520, 53.5434, 7.9604



26.6447, 53.5434, 77.4971



57.2148, 53.5434, 190.9406



86.6331, 53.5434, 42.5673

Rectangle

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



45.0520, 53.5434, 7.9604



28.6573, 53.5434, 26.0446



57.2148, 53.5434, 190.9406



82.3938, 53.5434, 109.9625

Sweetspot

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



45.0532, 53.5459, 7.9615



84.6079, 95.0580, 56.2719



24.6658, 12.7117, 1.3485



17.8723, 20.2285, 10.8656



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.



45.0532, 53.5459, 7.9615



75.4204, 89.6208, 13.3235



27.5739, 45.9170, 7.4102



12.1342, 13.0573, 11.9602



28.6802, 34.0933, 5.0691



1.4857, 1.7711, 0.2636

Inverse Universe

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



10.8232, 4.3991, 56.7780



18.1045, 7.3289, 95.0682



15.4725, 6.7315, 56.9831



10.6192, 10.8787, 14.1105



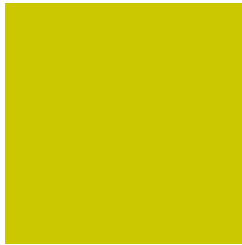
6.8954, 2.8148, 36.1362



0.3621, 0.1579, 1.8663

Previews

White Background



This preview shows how the XYZ color 45.0520, 53.5434, 7.9604 looks on a white background.

Color Contrast Check

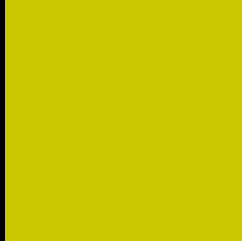
Large Text (above 18pt) WCAG AA × Fail

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 45.0520, 53.5434, 7.9604 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 45.0520, 53.5434, 7.9604

Background



This preview shows how black text looks on a background with the XYZ color 45.0520, 53.5434, 7.9604.



This preview shows how white text looks on a background with the XYZ color 45.0520, 53.5434,

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

45.0520, 53.5434, 7.9604

Protanopia

48.2052, 53.4890, 7.7837

Deuteranopia

54.4635, 53.1888, 8.5583



Tritanopia

55.9767, 53.4204, 61.3937

Trichromacy



Original Color

45.0520, 53.5434, 7.9604

Protanomaly

47.1805, 53.6260, 7.8642

Deuteranomaly

50.6199, 53.0969, 8.1530

Tritanomaly

49.1082, 52.2081, 27.5676

Monochromacy



Original Color

45.0520, 53.5434, 7.9604

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 45.0520, 53.5434, 7.9604 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(203, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 199, 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(203, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.0520, 53.5434, 7.9604 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(203, 199, 0) }
```


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

```
.border{ border-color:rgb(203, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0520, 53.5434, 7.9604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 199, 0) }
```

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

```
.background{ background-color: rgb(203,  
199, 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](#).

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