

# Converting Colors

XYZ(45.1000, 52.2807, 25.4115)

Have a look what the booklet for  
XYZ(45.1000, 52.2807, 25.4115)  
contains.

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# Color

**XYZ(45.1224, 52.1734,  
25.4616)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1C478
RGB	193, 196, 120
RGB Percent	76%, 77%, 47%
CMY	0.2431, 0.2314, 0.5294
CMYK	0.02, 0.00, 0.39, 0.23
HSL	62°, 39%, 62%
HSV	62°, 39%, 77%
XYZ	45.1224, 52.1734, 25.4616
YIQ	186.4390, 22.6080, -24.2720

# Conversions

## Conversions Part 2

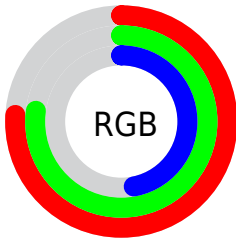
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 196, 123
Decimal	12698744
CIELab	77.38, -12.47, 37.79
CIELCh	77, 39.794, 108.259
Yxy	52.1734, 0.3676, 0.4250
Android (android.graphics.Color)	4290888824 (0xFFC1C478)
YUV	186.4390, -32.7544, 5.7540
Hunter-Lab	72.2312, -14.8966, 29.6620

# Details

The XYZ color **45.1224, 52.1734, 25.4616** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.8506, 21.6308, 55.0930**, and the grayscale version is **47.0888, 49.5411, 53.9503**.

A 20% lighter version of the original color is **82.0924, 93.5917, 53.2734**, and **21.2597, 25.1915, 9.5363** is the 20% darker color. If you saturate the color by 10%, you get **43.8560, 51.6459, 19.8160**, and if you desaturate by 10%, it is **46.6359, 52.8035, 32.3918**.

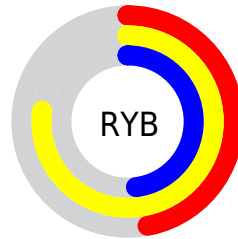
# Distribution



Red (76%)

Green (77%)

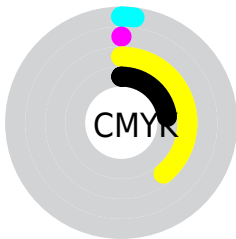
Blue (47%)



Red (47%)

Yellow (77%)

Blue (48%)

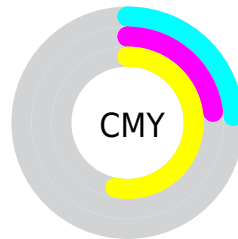


Cyan (2%)

Magenta (0%)

Yellow (39%)

Black (23%)



Cyan (24%)

Magenta (23%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1224, 52.1734, 25.4616 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 45.1224, 52.1734, 25.4616 by changing the saturation by 10% instead.



■ 45.1224, 52.1734,  
25.4616

■ 45.1224, 52.1734,  
25.4616

358.0444,  
395.1057, 293.6499

■ 31.7555, 37.1433,  
16.1992

■ 82.1400, 93.3869,  
53.3785

■ 21.3295, 25.3185,  
9.5093

■ 106.5214,  
120.3391, 72.8700

■ 13.4789, 16.3145,  
4.9735

■ 135.3051,  
152.0342, 96.6082

■ 7.8384, 9.7470,  
2.1733

168.8564,  
188.8564, 125.0118

■ 4.0426, 5.2315,  
0.6589

207.5406,  
231.1903, 158.4992

■ 1.7263, 2.3837,  
0.0000

251.7231,

■ 0.4726, 0.8175,

279.4202, 197.4890

0.0000

301.7692,  
333.9305, 242.3997

■ 0.0000, 0.0000,  
0.0000

■ 45.1224, 52.1734,  
25.4616

■ 45.1224, 52.1734,  
25.4616

■ 43.8560, 51.6459,  
19.8160

■ 46.6359, 52.8035,  
32.3918

■ 42.8180, 51.2081,  
15.3730

■ 48.4063, 53.5347,  
40.6754

■ 41.9930, 50.8555,  
12.0461


■ 50.4477, 54.3744,  
50.3803


■ 41.3620, 50.5808,  
9.7362


■ 52.7719, 55.3273,  
61.5688


■ 40.9031, 50.3749,  
8.3265


■ 55.3899, 56.3979,  
74.2996


 40.5795, 50.2233,  
7.6242

 58.3124, 57.5904,  
88.6280

 40.5429, 50.2059,  
7.5539

 61.1921, 58.7658,  
102.7255

 61.3975, 58.8717,  
102.7351

 61.6039, 58.9782,  
102.7448

# Harmonies

## Analogous

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



52.6426, 52.1734, 24.7425



45.1224, 52.1734, 25.4616



39.4047, 52.1734, 33.1265

# Triad

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



45.1224, 52.1734, 25.4616



40.4279, 52.1734, 94.3898



65.4278, 52.1734, 65.8172

# Complementary

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



45.1224, 52.1734, 25.4616



24.8506, 21.6308, 55.0930

# 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.



61.3929, 52.1734, 89.7181



45.1224, 52.1734, 25.4616



46.6563, 52.1734, 108.8323

# Square

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



45.1224, 52.1734, 25.4616



36.8925, 52.1734, 71.0536



54.3416, 52.1734, 106.9314



64.9085, 52.1734, 44.6063



# Rectangle

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



45.1224, 52.1734, 25.4616



37.1440, 52.1734, 42.5907



54.3416, 52.1734, 106.9314



64.5435, 52.1734, 73.8819

# Sweetspot

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



45.1237, 52.1758, 25.4627



90.0651, 97.9548, 84.9660



33.1821, 27.1436, 21.2604



19.1713, 20.9226, 17.6802



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.



45.1237, 52.1758, 25.4627



79.6616, 93.6457, 36.8539



36.7394, 47.8535, 25.0703



10.8728, 11.7374, 10.7544



26.0669, 32.2668, 4.8542



1.1387, 1.4006, 0.2103



# Inverse Universe

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



24.8506, 21.6308, 55.0930



37.5315, 30.1557, 98.4502



31.2860, 24.9483, 55.3942



9.5643, 9.7666, 12.6659



6.4817, 2.6019, 33.7172



0.2930, 0.1191, 1.4574



# Previews

## White Background



This preview shows how the XYZ color 45.1224, 52.1734, 25.4616 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 45.1224, 52.1734, 25.4616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

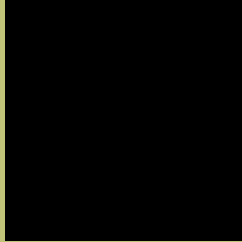
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.1224, 52.1734, 25.4616

## Background



This preview shows how black text looks on a background with the XYZ color 45.1224, 52.1734, 25.4616.



This preview shows how white text looks on a background with the XYZ color 45.1224, 52.1734,



# 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

45.1224, 52.1734, 25.4616

### Protanopia

47.9132, 51.9795, 24.6473

### Deuteranopia

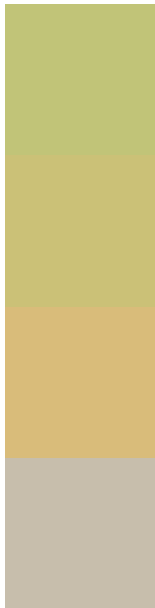
53.1418, 52.1200, 25.9982



## Tritanopia

52.4586, 51.8914, 62.5095

# Trichromacy



## Original Color

45.1224, 52.1734, 25.4616

## Protanomaly

47.0283, 52.1683, 25.0436

## Deuteranomaly

50.1113, 52.1233, 25.8320

## Tritanomaly

49.4130, 51.9476, 46.4523

# Monochromacy



## Original Color

45.1224, 52.1734, 25.4616

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

45.9213, 50.2544, 41.4622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1224, 52.1734, 25.4616 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(193, 196, 120)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 120)  
}
```

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(193, 196, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1224, 52.1734, 25.4616 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(193, 196, 120) }
```



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

```
.border{ border-color:rgb(193, 196, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 196, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 196, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 196, 120); box-shadow:4px 4px 4px 4px rgb(193, 196, 120) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1224, 52.1734, 25.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 120) }
```

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

```
.background{ background-color: rgb(193,  
196, 120) }
```

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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