

# Converting Colors

XYZ(45.0479, 46.7895, 35.4151)

Have a look what the booklet for  
XYZ(45.0479, 46.7895, 35.4151)  
contains.

<b>XYZ(45.1150, 46.8503, 35.5194)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.1150, 46.8503,  
35.5194)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6B496
RGB	198, 180, 150
RGB Percent	78%, 71%, 59%
CMY	0.2235, 0.2941, 0.4118
CMYK	0.00, 0.09, 0.24, 0.22
HSL	38°, 30%, 68%
HSV	38°, 24%, 78%
XYZ	45.1150, 46.8503, 35.5194
YIQ	181.9620, 20.3580, -5.5140

# Conversions

## Conversions Part 2

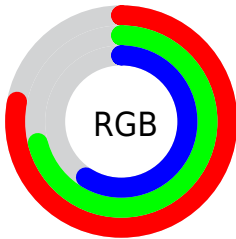
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 198, 150
Decimal	13022358
CIELab	74.09, 1.69, 17.66
CIELCh	74, 17.737, 84.520
Yxy	46.8503, 0.3539, 0.3675
Android (android.graphics.Color)	4291212438 (0xFFC6B496)
YUV	181.9620, -15.7573, 14.0653
Hunter-Lab	68.4473, -2.1297, 17.1457

# Details

The XYZ color **45.1150, 46.8503, 35.5194** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.7731, 38.5656, 58.9321**, and the grayscale version is **44.5191, 46.8375, 51.0061**.

A 20% lighter version of the original color is **82.1345, 85.6105, 69.3223**, and **21.3431, 22.0089, 14.9276** is the 20% darker color. If you saturate the color by 10%, you get **42.1951, 43.3499, 27.3335**, and if you desaturate by 10%, it is **48.3871, 50.6233, 45.1529**.

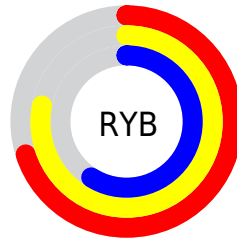
# Distribution



Red (78%)

Green (71%)

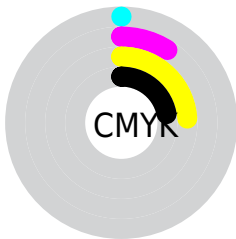
Blue (59%)



Red (70%)

Yellow (78%)

Blue (59%)

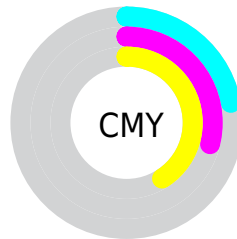


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (22%)



Cyan (22%)

Magenta (29%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1150, 46.8503, 35.5194 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 45.1150, 46.8503, 35.5194 by changing the saturation by 10% instead.



■ 45.1150, 46.8503,  
35.5194

■ 45.1150, 46.8503,  
35.5194

358.0150,  
374.2167, 341.8287

■ 31.7497, 32.9173,  
23.7765

■ 82.1290, 85.4901,  
69.4503

■ 21.3250, 22.0631,  
14.9572

■ 106.5083,  
110.9658, 92.4754

■ 13.4756, 13.9033,  
8.6431

135.2897,  
141.0578, 120.0983

■ 7.8361, 8.0534,  
4.4155

168.8385,  
176.1505, 152.7375

■ 4.0412, 4.1292,  
1.8559

207.5201,  
216.6283, 190.8116

■ 1.7255, 1.7461,  
0.4645

251.6998,

■ 0.4721, 0.4532,

262.8757, 234.7391

0.0000

301.7430,  
315.2770, 284.9387

■ 0.0000, 0.0000,  
0.0000

■ 45.1150, 46.8503,  
35.5194

■ 45.1150, 46.8503,  
35.5194

■ 42.1951, 43.3499,  
27.3335

■ 48.3871, 50.6233,  
45.1529

■ 39.6089, 40.1078,  
20.5207

■ 52.0215, 54.6699,  
56.2978

■ 37.3417, 37.1177,  
15.0040

■ 56.0323, 58.9994,  
69.0175

■ 35.3759, 34.3705,  
10.6975

■ 60.4320, 63.6186,  
83.3710

■ 33.6921, 31.8563,  
7.5052

■ 65.2322, 68.5339,  
99.4143

■ 32.2678, 29.5638,  
5.3160

■ 68.1411, 72.8305,  
105.0740

■ 31.0762, 27.4802,  
3.9952

■ 70.1865, 76.9211,  
105.7558

■ 30.4673, 26.3629,  
3.4827

■ 72.3201, 81.1883,  
106.4670

■ 74.5430, 85.6341,  
107.2079

# Harmonies

## Analogous

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



48.1660, 46.8503, 38.0641



45.1150, 46.8503, 35.5194



42.0452, 46.8503, 36.7078

# Triad

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



45.1150, 46.8503, 35.5194



39.2059, 46.8503, 58.6135



49.6856, 46.8503, 61.8416

# Complementary

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



45.1150, 46.8503, 35.5194



36.7731, 38.5656, 58.9321

# 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.



47.1104, 46.8503, 68.6197



45.1150, 46.8503, 35.5194



41.0814, 46.8503, 66.6063

# Square

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



45.1150, 46.8503, 35.5194



38.7280, 46.8503, 49.3615



43.9497, 46.8503, 70.4590



50.8839, 46.8503, 52.6989



# Rectangle

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



45.1150, 46.8503, 35.5194



40.3871, 46.8503, 39.5394



43.9497, 46.8503, 70.4590



48.9466, 46.8503, 64.5134

# Sweetspot

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



45.1162, 46.8524, 35.5204



90.2101, 94.7074, 93.7615



41.3007, 36.6612, 42.1416



19.2227, 20.1761, 19.8035



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

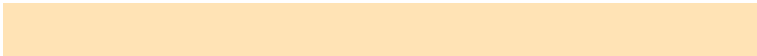


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1162, 46.8524, 35.5204



77.1300, 79.6870, 55.0589



47.5391, 53.8492, 36.7432



11.1769, 11.7229, 11.2364



19.8980, 17.3132, 2.2930



1.0101, 0.9556, 0.1312



# Inverse Universe

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



36.7731, 38.5656, 58.9321



59.8631, 62.5403, 103.5241



34.7330, 32.9187, 57.9496



10.3770, 10.9282, 13.4799



8.3075, 6.0089, 35.4663

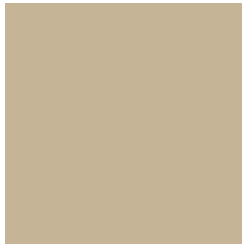


0.4628, 0.4233, 1.7025



# Previews

## White Background



This preview shows how the XYZ color 45.1150, 46.8503, 35.5194 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 45.1150, 46.8503, 35.5194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

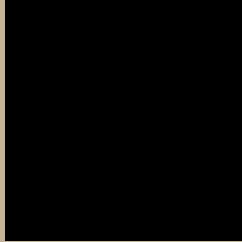
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

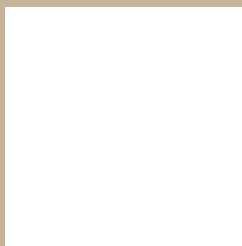
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.1150, 46.8503, 35.5194

## Background



This preview shows how black text looks on a background with the XYZ color 45.1150, 46.8503, 35.5194.



This preview shows how white text looks on a background with the XYZ color 45.1150, 46.8503,



# 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

45.1150, 46.8503, 35.5194

### Protanopia

44.3062, 47.0277, 36.0202

### Deuteranopia

47.7799, 46.7432, 35.7822



## Tritanopia

49.0357, 46.9873, 54.0619

# Trichromacy



## Original Color

45.1150, 46.8503, 35.5194

## Protanomaly

44.6155, 46.8842, 35.9762

## Deuteranomaly

46.7617, 46.8005, 35.8469

## Tritanomaly

47.4495, 46.9178, 46.5996

# Monochromacy



## Original Color

45.1150, 46.8503, 35.5194

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.5186, 46.6414, 44.6865

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1150, 46.8503, 35.5194 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(198, 180, 150)` looks like.

```
.text, #text, p{  
    color:rgb(198, 180, 150)  
}
```

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(198, 180, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 180, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1150, 46.8503, 35.5194 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(198, 180, 150) }
```



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

```
.border{ border-color:rgb(198, 180, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 180, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 180, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 180, 150);  
box-shadow:4px 4px 4px 4px rgb(198, 180,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1150, 46.8503, 35.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 180, 150) }
```

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

```
.background{ background-color: rgb(198,  
180, 150) }
```

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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