

# Converting Colors

XYZ(46.8622, 40.3512, 35.3064)

Have a look what the booklet for  
XYZ(46.8622, 40.3512, 35.3064)  
contains.

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# Color

**XYZ(46.9598, 40.4545,  
35.4704)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD9999
RGB	221, 153, 153
RGB Percent	87%, 60%, 60%
CMY	0.1333, 0.4000, 0.4000
CMYK	0.00, 0.31, 0.31, 0.13
HSL	0°, 50%, 73%
HSV	0°, 31%, 87%
XYZ	46.9598, 40.4545, 35.4704
YIQ	173.3320, 40.5280, 14.4160

# Conversions

## Conversions Part 2

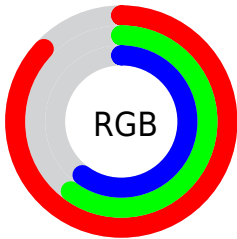
Format	Color
R <sub>Y</sub> B	221, 153, 153
Decimal	14522777
CIE Lab	69.79, 25.48, 10.30
CIE LCh	70, 27.486, 22.014
Yxy	40.4545, 0.3821, 0.3292
Android (android.graphics.Color)	4292712857 (0xFFDD9999)
YUV	173.3320, -10.0237, 41.8048
Hunter-Lab	63.6039, 20.4828, 11.4580

# Details

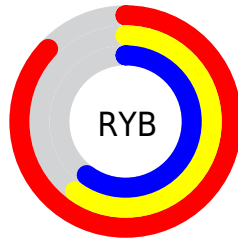
The XYZ color **46.9598, 40.4545, 35.4704** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **52.0436, 63.7036, 77.9598**, and the grayscale version is **39.9259, 42.0052, 45.7437**.

A 20% lighter version of the original color is **75.0584, 70.8767, 68.7561**, and **22.3618, 18.1592, 14.8968** is the 20% darker color. If you saturate the color by 10%, you get **42.0127, 33.2158, 25.6346**, and if you desaturate by 10%, it is **52.9169, 49.1718, 47.3116**.

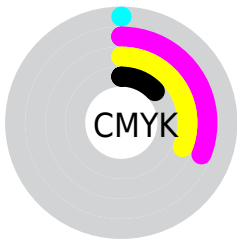
# Distribution



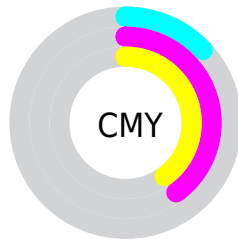
- Red (87%)
- Green (60%)
- Blue (60%)



- Red (87%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (31%)
- Yellow (31%)
- Black (13%)




- Cyan (13%)
- Magenta (40%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9598, 40.4545, 35.4704 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 46.9598, 40.4545, 35.4704 by changing the saturation by 10% instead.





 46.9598, 40.4545,  
35.4704


 46.9598, 40.4545,  
35.4704


365.3056,  
348.0355, 341.6069

 33.2117, 27.8931,  
23.7390


 84.8727, 75.8551,  
69.3737

 22.4487, 18.2451,  
14.9297


 109.7682, 99.4631,  
92.3826

 14.3054, 11.1261,  
8.6240


139.1103,  
127.5221, 119.9879

 8.4165, 6.1517,  
4.4033

173.2642,  
160.4164, 152.6079

 4.4166, 2.9375,  
1.8491

212.5953,  
198.5306, 190.6613

 1.9404, 1.0992,  
0.4601

257.4690,

 0.6002, 0.0000,

242.2489, 234.5666

0.0000

308.2507,  
291.9557, 284.7423

0.0000, 0.0000,  
0.0000

46.9598, 40.4545,  
35.4704

46.9598, 40.4545,  
35.4704

42.0127, 33.2158,  
25.6346

52.9169, 49.1718,  
47.3116

38.0167, 27.3685,  
17.6908

59.9323, 59.4373,  
61.2580

34.9117, 22.8249,  
11.5185

68.0549, 71.3229,  
77.4057

32.6296, 19.4854,  
6.9819

77.3299, 84.8946,  
95.8442

31.0921, 17.2355,  
3.9258

83.6289, 94.1122,  
108.3655

■ 30.2063, 15.9392,  
2.1652

■ 29.8190, 15.3725,  
1.3956

# Harmonies

## Analogous

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



47.5817, 40.4545, 47.5484



46.9598, 40.4545, 35.4704



43.9728, 40.4545, 27.3910

# Triad

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



46.9598, 40.4545, 35.4704



32.0814, 40.4545, 30.5978



37.2719, 40.4545, 73.1137

# Complementary

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



46.9598, 40.4545, 35.4704



52.0436, 63.7036, 77.9598

# 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.



33.4116, 40.4545, 66.3738



46.9598, 40.4545, 35.4704



30.5698, 40.4545, 40.7239

# Square

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



46.9598, 40.4545, 35.4704



35.3258, 40.4545, 24.9800



31.0372, 40.4545, 53.9078



41.7549, 40.4545, 70.9594



# Rectangle

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



46.9598, 40.4545, 35.4704



41.1595, 40.4545, 24.5778



31.0372, 40.4545, 53.9078



35.8636, 40.4545, 71.7736

# Sweetspot

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



46.9609, 40.4564, 35.4712



84.6837, 84.8313, 88.2919



54.2615, 43.3755, 73.9192



17.7929, 17.6702, 18.2363



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.



46.9609, 40.4564, 35.4712



60.3271, 49.1906, 39.8718



53.3392, 53.2131, 37.5973



13.0562, 13.0517, 13.5567



17.3223, 8.9302, 0.8107



1.1222, 0.5786, 0.0525



# Inverse Universe

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



52.0436, 63.7036, 77.9598



68.4355, 86.2768, 107.6539



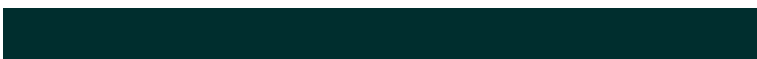
43.9587, 47.5338, 75.2649



13.4448, 14.8294, 16.8059



22.5998, 33.0690, 44.9302



1.4641, 2.1424, 2.9108



# Previews

## White Background



This preview shows how the XYZ color 46.9598, 40.4545, 35.4704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

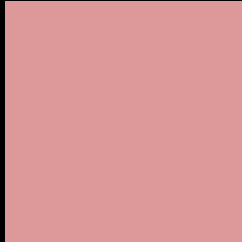
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9598, 40.4545, 35.4704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

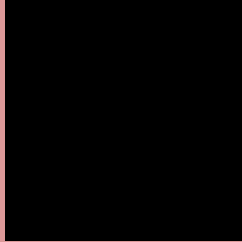
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.9598, 40.4545, 35.4704

## Background



This preview shows how black text looks on a background with the XYZ color 46.9598, 40.4545, 35.4704.



This preview shows how white text looks on a background with the XYZ color 46.9598, 40.4545,

35.4704.

# 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

46.9598, 40.4545, 35.4704

### Protanopia

38.8008, 40.5882, 39.9717

### Deuteranopia

41.5467, 40.7467, 34.9533



## Tritanopia

47.8017, 40.3072, 39.9110

# Trichromacy



## Original Color

46.9598, 40.4545, 35.4704

## Protanomaly

41.2717, 40.2606, 38.3967

## Deuteranomaly

43.3142, 40.5941, 35.2583

## Tritanomaly

47.6104, 40.4893, 38.1068

# Monochromacy



## Original Color

46.9598, 40.4545, 35.4704

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.7544, 40.9728, 41.7842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9598, 40.4545, 35.4704 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(221, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(221, 153, 153)  
}
```

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(221, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 153, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9598, 40.4545, 35.4704 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(221, 153, 153) }
```



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

```
.border{ border-color:rgb(221, 153, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(221, 153,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9598, 40.4545, 35.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 153, 153) }
```

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

```
.background{ background-color: rgb(221,  
153, 153) }
```

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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