

# Converting Colors

XYZ(40.7759, 35.6041, 45.7975)

Have a look what the booklet for  
XYZ(40.7759, 35.6041, 45.7975)  
contains.

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# Color

**XYZ(40.7759, 35.6041,  
45.7975)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C393B0
RGB	195, 147, 176
RGB Percent	76%, 58%, 69%
CMY	0.2353, 0.4235, 0.3098
CMYK	0.00, 0.25, 0.10, 0.24
HSL	324°, 29%, 67%
HSV	324°, 25%, 76%
XYZ	40.7759, 35.6041, 45.7975
YIQ	164.6580, 19.2990, 19.1950

# Conversions

## Conversions Part 2

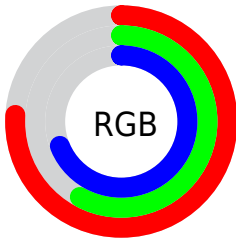
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 147, 176
Decimal	12817328
CIE <sub>Lab</sub>	66.22, 22.72, -8.10
CIE <sub>LCh</sub>	66, 24.121, 340.384
Yxy	35.6041, 0.3337, 0.2914
Android (android.graphics.Color)	4291007408 (0xFFC393B0)
YUV	164.6580, 5.5916, 26.6099
Hunter-Lab	59.6692, 17.5598, -3.7381

# Details

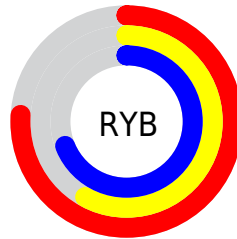
The XYZ color **40.7759, 35.6041, 45.7975** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.4321, 47.9875, 43.3155**, and the grayscale version is **35.5689, 37.4213, 40.7518**.

A 20% lighter version of the original color is **75.5970, 68.2949, 85.5418**, and **18.8055, 15.4837, 21.0663** is the 20% darker color. If you saturate the color by 10%, you get **37.2548, 29.7493, 40.9622**, and if you desaturate by 10%, it is **44.8565, 42.5075, 51.0345**.

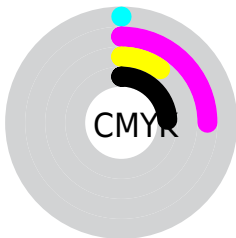
# Distribution



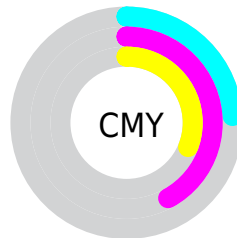
- Red (76%)
- Green (58%)
- Blue (69%)



- Red (76%)
- Yellow (58%)
- Blue (69%)



- Cyan (0%)
- Magenta (25%)
- Yellow (10%)
- Black (24%)




- Cyan (24%)
- Magenta (42%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7759, 35.6041, 45.7975 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 40.7759, 35.6041, 45.7975 by changing the saturation by 10% instead.





 40.7759, 35.6041,  
45.7975


 40.7759, 35.6041,  
45.7975

340.4617,  
327.2268, 386.2478

 28.3309, 24.1286,  
31.7385


 75.6204, 68.4206,  
85.2469

 18.7170, 15.4290,  
20.8987


 98.7507, 90.5303,  
111.4745

 11.5687, 9.1210,  
12.8595

126.1735,  
116.9536, 142.5954

 6.5209, 4.8202,  
7.2023

158.2540,  
148.0748, 179.0281

 3.2079, 2.1422,  
3.5085

195.3578,  
184.2783, 221.1911

 1.2647, 0.6882,  
1.3598

237.8501,

 0.1565, 0.0000,

225.9486, 269.5030

0.1101

286.0963,  
273.4699, 324.3824

■ 0.0000, 0.0000,  
0.0000

■ 40.7759, 35.6041,  
45.7975

■ 40.7759, 35.6041,  
45.7975

■ 37.2548, 29.7493,  
40.9622

■ 44.8565, 42.5075,  
51.0345

■ 34.2634, 24.8861,  
36.5138

■ 49.5183, 50.5030,  
56.6825

■ 31.7740, 20.9595,  
32.4400

■ 54.7855, 59.6377,  
62.7534

■ 29.7547, 17.9071,  
28.7263

■ 60.6801, 69.9544,  
69.2580

■ 28.1699, 15.6590,  
25.3570

■ 67.2229, 81.4936,  
76.2061

■ 26.9785, 14.1342,  
22.3147

■ 71.4933, 88.4132,  
82.6277

■ 26.1307, 13.2346,  
19.5785

■ 72.5540, 88.8375,  
88.2131

■ 25.7645, 12.9057,  
18.2128

■ 73.6627, 89.2809,  
94.0515

■ 74.8200, 89.7439,  
100.1459

# Harmonies

## Analogous

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



38.5180, 35.6041, 55.8796



40.7759, 35.6041, 45.7975



41.1028, 35.6041, 35.3082

# Triad

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



40.7759, 35.6041, 45.7975



32.6104, 35.6041, 22.3773



28.8452, 35.6041, 53.0543

# Complementary

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



40.7759, 35.6041, 45.7975



38.4321, 47.9875, 43.3155

# 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.



27.4886, 35.6041, 42.4442



40.7759, 35.6041, 45.7975



29.5581, 35.6041, 25.5618

# Square

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



40.7759, 35.6041, 45.7975



36.2139, 35.6041, 22.9538



27.7400, 35.6041, 32.4952



31.5734, 35.6041, 60.5558



# Rectangle

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



40.7759, 35.6041, 45.7975



40.1585, 35.6041, 29.5941



27.7400, 35.6041, 32.4952



28.2228, 35.6041, 49.6625

# Sweetspot

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



40.7769, 35.6057, 45.7982



86.5039, 86.6898, 98.9240



35.8859, 32.8516, 56.0800



18.8275, 18.7848, 21.5245



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.



40.7769, 35.6057, 45.7982



69.2218, 57.4105, 76.8705



38.6575, 34.7579, 34.6373



10.3230, 10.1778, 11.7912



16.7877, 8.4048, 12.0601



0.7585, 0.3764, 0.6958



# Inverse Universe

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



40.7769, 35.6057, 45.7982



69.2218, 57.4105, 76.8705



40.7777, 48.9257, 55.6673



10.3230, 10.1778, 11.7912



16.7877, 8.4048, 12.0601

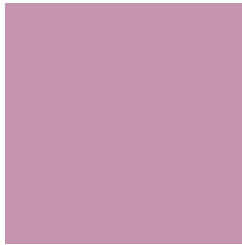


0.7585, 0.3764, 0.6958



# Previews

## White Background



This preview shows how the XYZ color 40.7759, 35.6041, 45.7975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

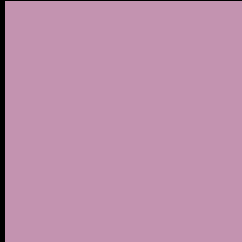
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7759, 35.6041, 45.7975 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 40.7759, 35.6041, 45.7975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7759, 35.6041, 45.7975.



This preview shows how white text looks on a background with the XYZ color 40.7759, 35.6041,



# 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

40.7759, 35.6041, 45.7975

### Protanopia

35.1272, 35.7704, 50.4004

### Deuteranopia

36.4915, 35.8279, 45.0366



## Tritanopia

39.3317, 35.7234, 38.5405

# Trichromacy



## Original Color

40.7759, 35.6041, 45.7975

## Protanomaly

36.8564, 35.4368, 48.6135

## Deuteranomaly

37.9515, 35.5809, 45.4250

## Tritanomaly

39.8785, 35.7174, 40.8687

# Monochromacy



## Original Color

40.7759, 35.6041, 45.7975

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

37.2928, 36.5484, 42.6251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7759, 35.6041, 45.7975 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(195, 147, 176)` looks like.

```
.text, #text, p{  
    color:rgb(195, 147, 176)  
}
```

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(195, 147, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 147, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7759, 35.6041, 45.7975 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(195, 147, 176) }
```



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

```
.border{ border-color:rgb(195, 147, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 147, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 147, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 147, 176);  
box-shadow:4px 4px 4px 4px rgb(195, 147,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7759, 35.6041, 45.7975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 147, 176) }
```

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

```
.background{ background-color: rgb(195,  
147, 176) }
```

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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