

Converting Colors

XYZ(40.1648, 28.7894, 57.2754)

Have a look what the booklet for
XYZ(40.1648, 28.7894, 57.2754)
contains.

XYZ(40.1074, 28.7564, 57.4695)	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(40.1074, 28.7564,
57.4695)**

Conversions

Conversions Part 1

Format	Color
Hex	C774C7
RGB	199, 116, 199
RGB Percent	78%, 45%, 78%
CMY	0.2196, 0.5451, 0.2196
CMYK	0.00, 0.42, 0.00, 0.22
HSL	300°, 43%, 62%
HSV	300°, 42%, 78%
XYZ	40.1074, 28.7564, 57.4695
YIQ	150.2790, 22.8250, 43.4090

Conversions

Conversions Part 2

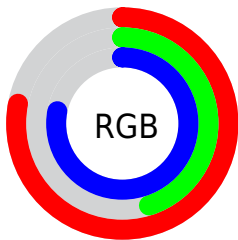
Format	Color
R _Y B	199, 116, 199
Decimal	13071559
CIE Lab	60.57, 45.00, -29.62
CIE LCh	61, 53.876, 326.648
Yxy	28.7564, 0.3175, 0.2276
Android (android.graphics.Color)	4291261639 (0xFFC774C7)
YUV	150.2790, 24.0195, 42.7283
Hunter-Lab	53.6250, 39.6606, -26.0031

Details

The XYZ color **40.1074, 28.7564, 57.4695** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.7795, 45.8219, 23.7468**, and the grayscale version is **29.0031, 30.5135, 33.2292**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **18.2719, 11.5508, 28.0545** is the 20% darker color. If you saturate the color by 10%, you get **38.0548, 24.6506, 56.7855**, and if you desaturate by 10%, it is **42.6532, 33.8473, 58.3185**.

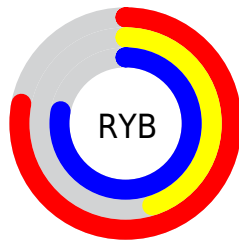
Distribution



Red (78%)

Green (45%)

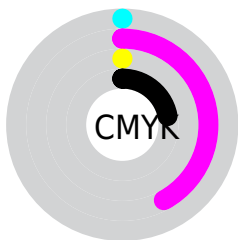
Blue (78%)



Red (78%)

Yellow (45%)

Blue (78%)

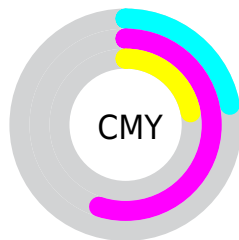


Cyan (0%)

Magenta (42%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (55%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1074, 28.7564, 57.4695 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 40.1074, 28.7564, 57.4695 by changing the saturation by 10% instead.


 40.1074, 28.7564,
57.4695


 40.1074, 28.7564,
57.4695

337.7027,
296.0638, 432.7492


 27.8069, 18.8966,
40.9704


 74.6103, 57.6898,
102.6571

 18.3198, 11.5956,
27.9765


 97.5434, 77.5323,
132.1826

 11.2809, 6.4690,
18.0690


 124.7515,
101.4710, 166.8874

 6.3248, 3.1323,
10.8296

156.5998,
129.8906, 207.1901

 3.0861, 1.2012,
5.8396

193.4537,
163.1752, 253.5090

 1.1995, 0.0627,
2.6806

235.6786,

 0.1059, 0.0000,

201.7094, 306.2628

0.9336

283.6398,
245.8774, 365.8700

■ 0.0000, 0.0000,
0.0000

■ 40.1074, 28.7564,
57.4695

■ 40.1074, 28.7564,
57.4695

■ 38.0548, 24.6506,
56.7855

■ 42.6532, 33.8473,
58.3185

■ 36.4609, 21.4629,
56.2541

■ 45.7182, 39.9773,
59.3403

■ 35.2913, 19.1237,
55.8641


■ 49.3300, 47.2010,
60.5443


■ 34.5055, 17.5522,
55.6021


■ 53.5135, 55.5678,
61.9389


■ 34.0552, 16.6515,
55.4519


■ 58.2918, 65.1245,
63.5318

 33.8623, 16.2658,
55.3875

 63.6871, 75.9149,
65.3303

 69.6226, 87.7859,
67.3089

 69.6226, 87.7859,
67.3090

 69.6226, 87.7859,
67.3091

Harmonies

Analogous

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



33.7861, 28.7564, 79.5923



40.1074, 28.7564, 57.4695



42.9910, 28.7564, 33.6060

Triad

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



40.1074, 28.7564, 57.4695



28.1222, 28.7564, 6.5152



17.0290, 28.7564, 51.8444

Complementary

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



40.1074, 28.7564, 57.4695



30.7795, 45.8219, 23.7468

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.



16.0287, 28.7564, 29.1227



40.1074, 28.7564, 57.4695



21.7573, 28.7564, 8.0259

Square

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



40.1074, 28.7564, 57.4695



35.3715, 28.7564, 8.9646



17.6062, 28.7564, 14.6100



20.6137, 28.7564, 75.4904

Rectangle

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



40.1074, 28.7564, 57.4695



42.2671, 28.7564, 21.5619



17.6062, 28.7564, 14.6100



16.4087, 28.7564, 43.6282

Sweetspot

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



40.1084, 28.7577, 57.4701



85.3714, 80.6429, 105.6736



23.7579, 20.3287, 56.7054



17.9586, 16.6321, 22.5137



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.



40.1084, 28.7577, 57.4701



66.9439, 43.7881, 99.5304



35.9283, 27.0857, 35.4583



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864

Inverse Universe

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



40.1084, 28.7577, 57.4701



66.9439, 43.7881, 99.5304



33.7557, 47.0124, 39.4191



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6149



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 40.1074, 28.7564, 57.4695 looks on a white background.

Color Contrast Check

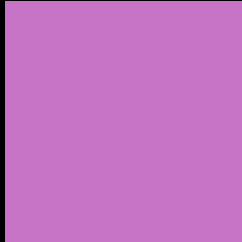
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1074, 28.7564, 57.4695 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 × Fail

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

XYZ 40.1074, 28.7564, 57.4695

Background



This preview shows how black text looks on a background with the XYZ color 40.1074, 28.7564, 57.4695.



This preview shows how white text looks on a background with the XYZ color 40.1074, 28.7564,

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

40.1074, 28.7564, 57.4695

Protanopia

30.7701, 29.1600, 72.4133

Deuteranopia

29.7025, 28.9925, 55.0695



Tritanopia

33.9963, 28.6410, 28.1626

Trichromacy



Original Color

40.1074, 28.7564, 57.4695

Protanomaly

32.9298, 28.2439, 66.6668

Deuteranomaly

32.5895, 28.3048, 55.9703

Tritanomaly

35.8888, 28.4578, 37.3196

Monochromacy



Original Color

40.1074, 28.7564, 57.4695

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.3048, 29.3289, 41.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1074, 28.7564, 57.4695 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(199, 116, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 116, 199)  
}
```

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(199, 116, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 116, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.1074, 28.7564, 57.4695 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(199, 116, 199) }
```


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

```
.border{ border-color:rgb(199, 116, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 116, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 116, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 116, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 116,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1074, 28.7564, 57.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 116, 199) }
```

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

```
.background{ background-color: rgb(199,  
116, 199) }
```

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