

Converting Colors

XYZ(40.8459, 28.4615, 34.4375)

Have a look what the booklet for
XYZ(40.8459, 28.4615, 34.4375)
contains.

XYZ(40.9002, 28.5195, 34.3595)	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(40.9002, 28.5195,
34.3595)**

Conversions

Conversions Part 1

Format	Color
Hex	DC6D9B
RGB	220, 109, 155
RGB Percent	86%, 43%, 61%
CMY	0.1373, 0.5725, 0.3922
CMYK	0.00, 0.50, 0.30, 0.14
HSL	335°, 61%, 65%
HSV	335°, 50%, 86%
XYZ	40.9002, 28.5195, 34.3595
YIQ	147.4330, 51.3900, 37.8380

Conversions

Conversions Part 2

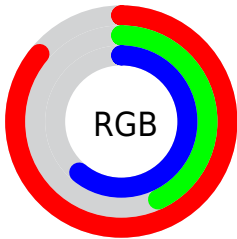
Format	Color
R _Y B	220, 109, 155
Decimal	14445979
CIE Lab	60.36, 48.37, -4.52
CIE LCh	60, 48.578, 354.666
Yxy	28.5195, 0.3941, 0.2748
Android (android.graphics.Color)	4292636059 (0xFFDC6D9B)
YUV	147.4330, 3.7305, 63.6413
Hunter-Lab	53.4037, 43.2512, -0.7642

Details

The XYZ color **40.9002, 28.5195, 34.3595** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **39.5413, 57.4943, 49.0609**, and the grayscale version is **27.8835, 29.3356, 31.9465**.

A 20% lighter version of the original color is **65.8458, 52.0578, 66.8993**, and **18.8132, 11.5092, 14.3266** is the 20% darker color. If you saturate the color by 10%, you get **37.8152, 23.9896, 28.2747**, and if you desaturate by 10%, it is **44.6895, 34.2729, 41.2492**.

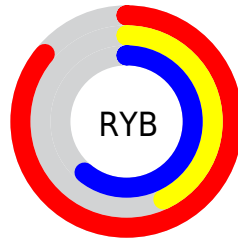
Distribution



Red (86%)

Green (43%)

Blue (61%)



Red (86%)

Yellow (43%)

Blue (61%)

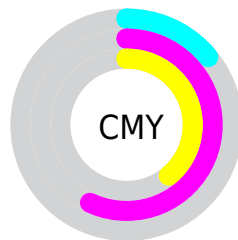


Cyan (0%)

Magenta (50%)

Yellow (30%)

Black (14%)



Cyan (14%)


Magenta (57%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9002, 28.5195, 34.3595 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 40.9002, 28.5195, 34.3595 by changing the saturation by 10% instead.


 40.9002, 28.5195,
34.3595


 40.9002, 28.5195,
34.3595


340.9730,
294.9410, 336.5500


 28.4284, 18.7176,
22.8903


 75.8080, 57.3128,
67.6326


 18.7910, 11.4664,
14.3080


 98.9748, 77.0730,
90.2736

 11.6224, 6.3815,
8.1940


 126.4373,
100.9214, 117.4756

 6.5575, 3.0784,
4.1298

 158.5609,
129.2425, 149.6572

 3.2308, 1.1728,
1.6968

195.7109,
162.4206, 187.2369

 1.2770, 0.0393,
0.3585

238.2527,

 0.1659, 0.0000,

200.8401, 230.6333

0.0000

286.5516,
244.8855, 280.2648

■ 0.0000, 0.0000,
0.0000

■ 40.9002, 28.5195,
34.3595

■ 40.9002, 28.5195,
34.3595

■ 37.8152, 23.9896,
28.2747

■ 44.6895, 34.2729,
41.2492

■ 35.3839, 20.5882,
22.9594

■ 49.2242, 41.3270,
48.9737

■ 33.5521, 18.2130,
18.3771

■ 54.5449, 49.7576,
57.5632

■ 32.2552, 16.7409,
14.4864

■ 60.6886, 59.6334,
67.0455

■ 31.4107, 15.9738,
11.3626

■ 67.6898, 71.0187,
77.4473

■ 75.5809, 83.9735,
88.7939

■ 81.7849, 93.3395,
100.2404

■ 83.3252, 93.9556,
108.3513

Harmonies

Analogous

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



38.1252, 28.5195, 55.4783



40.9002, 28.5195, 34.3595



39.5432, 28.5195, 18.8029

Triad

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



40.9002, 28.5195, 34.3595



22.4000, 28.5195, 9.1184



20.7408, 28.5195, 68.3849

Complementary

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



40.9002, 28.5195, 34.3595



39.5413, 57.4943, 49.0609

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.



17.5969, 28.5195, 47.7211



40.9002, 28.5195, 34.3595



18.4468, 28.5195, 15.1130

Square

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



40.9002, 28.5195, 34.3595



28.2382, 28.5195, 7.8612



16.8263, 28.5195, 27.9655



26.0063, 28.5195, 79.3943

Rectangle

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



40.9002, 28.5195, 34.3595



36.5711, 28.5195, 12.6143



16.8263, 28.5195, 27.9655



19.4350, 28.5195, 62.0280

Sweetspot

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



40.9010, 28.5209, 34.3600



80.6394, 76.6173, 87.3302



35.7881, 25.0763, 70.6641



16.8736, 15.7785, 18.0938



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.



40.9010, 28.5209, 34.3600



52.4371, 32.9462, 38.6738



38.7845, 29.3372, 18.0883



13.2787, 13.1406, 14.7288



18.4871, 9.3959, 6.9452



1.2399, 0.6256, 0.6724

Inverse Universe

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



40.9010, 28.5209, 34.3600



52.4371, 32.9462, 38.6738



42.4581, 54.8836, 76.0660



13.2787, 13.1406, 14.7288



18.4871, 9.3959, 6.9452



1.2399, 0.6256, 0.6724

Previews

White Background



This preview shows how the XYZ color 40.9002, 28.5195, 34.3595 looks on a white background.

Color Contrast Check

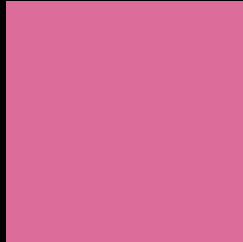
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9002, 28.5195, 34.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

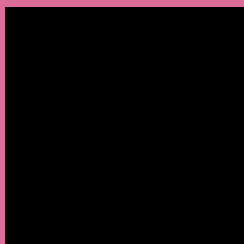
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.9002, 28.5195, 34.3595

Background



This preview shows how black text looks on a background with the XYZ color 40.9002, 28.5195, 34.3595.



This preview shows how white text looks on a background with the XYZ color 40.9002, 28.5195,

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

40.9002, 28.5195, 34.3595

Protanopia

28.8087, 28.9541, 46.1898

Deuteranopia

29.1304, 28.5209, 32.8239



Tritanopia

38.3212, 28.4432, 22.2092

Trichromacy



Original Color

40.9002, 28.5195, 34.3595

Protanomaly

31.6554, 27.7296, 41.7141

Deuteranomaly

32.5738, 27.7913, 33.3532

Tritanomaly

39.1917, 28.4650, 26.3503

Monochromacy



Original Color

40.9002, 28.5195, 34.3595

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.3481, 27.9757, 32.6018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9002, 28.5195, 34.3595 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(220, 109, 155)` looks like.

```
.text, #text, p{  
    color:rgb(220, 109, 155)  
}
```

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(220, 109, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 109, 155) }
```

Border

The CSS property to change the border of an element to XYZ 40.9002, 28.5195, 34.3595 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(220, 109, 155) }
```


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

```
.border{ border-color:rgb(220, 109, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 109, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 109, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 109, 155);  
box-shadow:4px 4px 4px 4px rgb(220, 109,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9002, 28.5195, 34.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 109, 155) }
```

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

```
.background{ background-color: rgb(220,  
109, 155) }
```

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