

Converting Colors

XYZ(40.7711, 29.5643, 59.0957)

Have a look what the booklet for
XYZ(40.7711, 29.5643, 59.0957)
contains.

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Color

**XYZ(40.6926, 29.5528,
58.8179)**

Conversions

Conversions Part 1

Format	Color
Hex	C777C9
RGB	199, 119, 201
RGB Percent	78%, 47%, 79%
CMY	0.2196, 0.5333, 0.2118
CMYK	0.01, 0.41, 0.00, 0.21
HSL	299°, 43%, 63%
HSV	299°, 41%, 79%
XYZ	40.6926, 29.5528, 58.8179
YIQ	152.2680, 21.3580, 42.4620

Conversions

Conversions Part 2

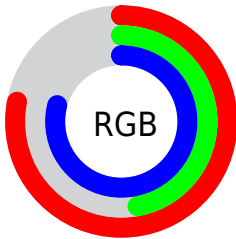
Format	Color
R_{YB}	199, 119, 201
Decimal	13072329
CIE _{Lab}	61.27, 43.80, -29.67
CIE _{LCh}	61, 52.901, 325.889
Yxy	29.5528, 0.3153, 0.2290
Android (android.graphics.Color)	4291262409 (0xFFC777C9)
YUV	152.2680, 24.0249, 40.9840
Hunter-Lab	54.3625, 38.4804, -26.0955

Details

The XYZ color **40.6926, 29.5528, 58.8179** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.1026, 47.1709, 24.8671**, and the grayscale version is **29.8546, 31.4094, 34.2048**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **18.6013, 11.9605, 28.9320** is the 20% darker color. If you saturate the color by 10%, you get **38.4192, 25.1980, 58.0976**, and if you desaturate by 10%, it is **43.4743, 34.9221, 59.7081**.

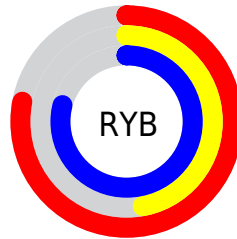
Distribution



Red (78%)

Green (47%)

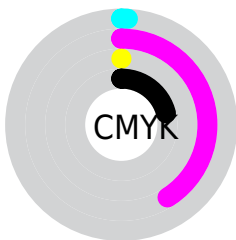
Blue (79%)



Red (78%)

Yellow (47%)

Blue (79%)

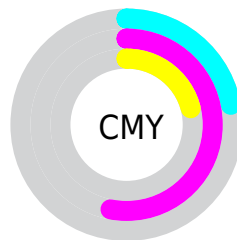


Cyan (1%)

Magenta (41%)

Yellow (0%)

Black (21%)



Cyan (22%)


Magenta (53%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6926, 29.5528, 58.8179 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 40.6926, 29.5528, 58.8179 by changing the saturation by 10% instead.


 40.6926, 29.5528,
58.8179

 40.6926, 29.5528,
58.8179

340.1188,
299.8144, 437.9098


 28.2656, 19.4994,
42.0475

 75.4947, 58.9542,
104.6395

 18.6674, 12.0317,
28.8126


 98.6005, 79.0711,
134.5277

 11.5328, 6.7653,
18.6948


 125.9965,
103.3111, 169.6257

 6.4963, 3.3157,
11.2754

158.0483,
132.0589, 210.3519

 3.1927, 1.2987,
6.1359

195.1210,
165.6987, 257.1248

 1.2564, 0.1402,
2.8577

237.5801,

 0.1503, 0.0000,

204.6149, 310.3631

1.0225

285.7909,
249.1920, 370.4853

■ 0.0000, 0.0000,
0.0000

■ 40.6926, 29.5528,
58.8179

■ 40.6926, 29.5528,
58.8179

■ 38.4192, 25.1980,
58.0976

■ 43.4743, 34.9221,
59.7081

■ 36.6188, 21.7895,
57.5346

■ 46.7906, 41.3606,
60.7761

■ 35.2567, 19.2568,
57.1175

■ 50.6696, 48.9240,
62.0315

■ 34.2919, 17.5181,
56.8327

■ 55.1365, 57.6627,
63.4828

■ 33.6757, 16.4759,
56.6641

■ 60.2153, 67.6242,
65.1379

■ 33.3335, 15.9662,
56.5837

■ 65.9281, 78.8534,
67.0043

■ 70.7770, 88.3540,
68.5825

■ 70.9102, 88.4227,
68.5887

■ 71.0438, 88.4916,
68.5950

Harmonies

Analogous

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



34.3481, 29.5528, 80.4518



40.6926, 29.5528, 58.8179



43.6665, 29.5528, 35.0048

Triad

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



40.6926, 29.5528, 58.8179



29.0595, 29.5528, 7.0876



17.6861, 29.5528, 51.9856

Complementary

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



40.6926, 29.5528, 58.8179



32.1026, 47.1709, 24.8671

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.



16.7419, 29.5528, 29.5076



40.6926, 29.5528, 58.8179



22.6407, 29.5528, 8.5446

Square

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



40.6926, 29.5528, 58.8179



36.2838, 29.5528, 9.7308



18.4004, 29.5528, 15.1126



21.2316, 29.5528, 75.4953

Rectangle

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



40.6926, 29.5528, 58.8179



43.0295, 29.5528, 22.7826



18.4004, 29.5528, 15.1126



17.0820, 29.5528, 43.8553

Sweetspot

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



40.6936, 29.5541, 58.8185



85.7793, 81.8653, 105.8883



25.0785, 21.9941, 58.1823



18.1637, 17.1389, 22.6007



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.



40.6936, 29.5541, 58.8185



66.1672, 43.8852, 99.5910



37.2722, 28.2472, 38.0142



11.0565, 10.8029, 13.4199



20.9706, 10.0450, 35.5780



1.0012, 0.4799, 1.6850

Inverse Universe

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



34.1364, 26.9929, 21.5015



53.4696, 38.9347, 26.9224



34.6040, 48.1394, 39.4871



10.6442, 10.6411, 11.1095



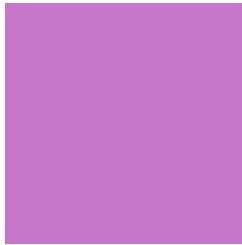
15.1670, 7.8164, 0.8236



0.7219, 0.3716, 0.0587

Previews

White Background



This preview shows how the XYZ color 40.6926, 29.5528, 58.8179 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 40.6926, 29.5528, 58.8179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

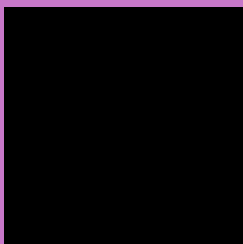
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6926, 29.5528, 58.8179

Background



This preview shows how black text looks on a background with the XYZ color 40.6926, 29.5528, 58.8179.



This preview shows how white text looks on a background with the XYZ color 40.6926, 29.5528,

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

40.6926, 29.5528, 58.8179

Protanopia

31.4897, 29.9693, 73.2322

Deuteranopia

30.3960, 29.7775, 56.3701



Tritanopia

34.6196, 29.5319, 29.4668

Trichromacy



Original Color

40.6926, 29.5528, 58.8179



Protanomaly

33.5194, 28.9474, 67.4391



Deuteranomaly

33.2953, 29.0565, 57.2797



Tritanomaly

36.4484, 29.2924, 38.3833

Monochromacy



Original Color

40.6926, 29.5528, 58.8179



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

32.9960, 30.0935, 42.0998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6926, 29.5528, 58.8179 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, 119, 201)` looks like.

```
.text, #text, p{  
    color:rgb(199, 119, 201)  
}
```

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, 119, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 119, 201) }
```

Border

The CSS property to change the border of an element to XYZ 40.6926, 29.5528, 58.8179 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, 119, 201) }
```


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

```
.border{ border-color:rgb(199, 119, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 119, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 119, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 119, 201);  
box-shadow:4px 4px 4px 4px rgb(199, 119,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6926, 29.5528, 58.8179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 119, 201) }
```

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

```
.background{ background-color: rgb(199,  
119, 201) }
```

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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