

Converting Colors

XYZ(40.6628, 28.5003, 63.0146)

Have a look what the booklet for
XYZ(40.6628, 28.5003, 63.0146)
contains.

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Color

**XYZ(40.6912, 28.5945,
63.0491)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C672D0 |
| RGB | 198, 114, 208 |
| RGB Percent | 78%, 45%, 82% |
| CMY | 0.2235, 0.5529, 0.1843 |
| CMYK | 0.05, 0.45, 0.00, 0.18 |
| HSL | 294°, 50%, 63% |
| HSV | 294°, 45%, 82% |
| XYZ | 40.6912, 28.5945, 63.0491 |
| YIQ | 149.8320, 19.8900, 47.0420 |

Conversions

Conversions Part 2

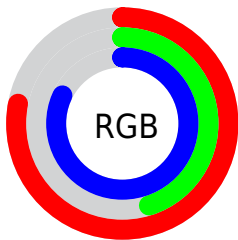
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 198, 114, 208 |
| Decimal | 13005520 |
| CIE _{Lab} | 60.42, 47.43, -34.94 |
| CIE _{LCh} | 60, 58.913, 323.627 |
| Yxy | 28.5945, 0.3075, 0.2161 |
| Android (android.graphics.Color) | 4291195600 (0xFFC672D0) |
| YUV | 149.8320, 28.6768, 42.2433 |
| Hunter-Lab | 53.4738, 42.2514, -32.4751 |

Details

The XYZ color **40.6912, 28.5945, 63.0491** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.9063, 50.6124, 23.9031**, and the grayscale version is **28.7957, 30.2953, 32.9916**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **18.6277, 11.4959, 31.3741** is the 20% darker color. If you saturate the color by 10%, you get **38.0276, 24.1262, 62.3274**, and if you desaturate by 10%, it is **43.8987, 34.1365, 63.9502**.

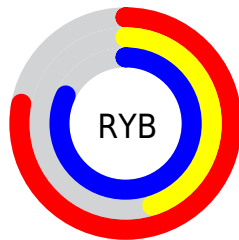
Distribution



Red (78%)

Green (45%)

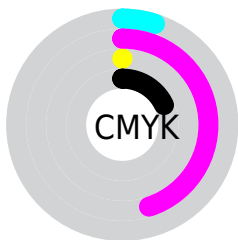
Blue (82%)



Red (78%)

Yellow (45%)

Blue (82%)

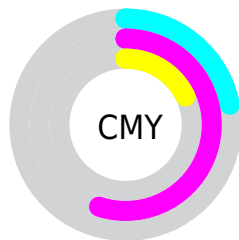


Cyan (5%)

Magenta (45%)

Yellow (0%)

Black (18%)



Cyan (22%)


Magenta (55%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6912, 28.5945, 63.0491 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 40.6912, 28.5945, 63.0491 by changing the saturation by 10% instead.


 40.6912, 28.5945,
63.0491

 40.6912, 28.5945,
63.0491

340.1130,
295.2969, 453.8605


 28.2645, 18.7743,
45.4397


 75.4926, 57.4322,
110.8266

 18.6666, 11.5073,
31.4584


 98.5979, 77.2185,
141.8318

 11.5322, 6.4091,
20.6868


 125.9936,
101.0955, 178.1393

 6.4959, 3.0954,
12.7062

158.0448,
129.4478, 220.1676

 3.1924, 1.1818,
7.0982

195.1170,
162.6597, 268.3354

 1.2563, 0.0467,
3.4442

237.5755,

 0.1501, 0.0000,

201.1156, 323.0611

1.3257

285.7858,
245.1998, 384.7633

■ 0.0000, 0.0000,
0.0827

■ 0.0000, 0.0000,
0.0000

■ 40.6912, 28.5945,
63.0491

■ 40.6912, 28.5945,
63.0491

■ 38.0276, 24.1262,
62.3274

■ 43.8987, 34.1365,
63.9502

■ 35.8684, 20.6546,
61.7712


■ 47.6803, 40.8148,
65.0399


■ 34.1731, 18.0985,
61.3671


■ 52.0676, 48.6917,
66.3291


■ 32.8939, 16.3620,
61.0994


■ 57.0889, 57.8238,
67.8271


 31.9723, 15.3283,
60.9484


 62.7708, 68.2642,
69.5428

 31.6044, 14.9774,
60.9001

 69.1382, 80.0629,
71.4846

 74.7282, 90.2936,
73.1647

 75.3764, 90.6278,
73.1950

 76.0334, 90.9665,
73.2258

Harmonies

Analogous

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



33.4513, 28.5945, 87.2096



40.6912, 28.5945, 63.0491



44.3987, 28.5945, 36.0044

Triad

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



40.6912, 28.5945, 63.0491



28.8293, 28.5945, 5.3412



15.8879, 28.5945, 51.0501

Complementary

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



40.6912, 28.5945, 63.0491



33.9063, 50.6124, 23.9031

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.



15.1094, 28.5945, 26.7249



40.6912, 28.5945, 63.0491



21.7430, 28.5945, 6.4062

Square

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



40.6912, 28.5945, 63.0491



36.7758, 28.5945, 8.1616



17.0467, 28.5945, 12.3544



19.4151, 28.5945, 78.3182

Rectangle

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



40.6912, 28.5945, 63.0491



43.9558, 28.5945, 22.2957



17.0467, 28.5945, 12.3544



15.3270, 28.5945, 42.0462

Sweetspot

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



40.6922, 28.5957, 63.0497



83.3165, 78.5865, 105.3852



25.6552, 22.7917, 62.7219



17.4853, 16.1920, 22.4537



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.



40.6922, 28.5957, 63.0497



60.5011, 38.5995, 98.8694



39.4738, 28.4230, 42.4197



12.1818, 11.9425, 14.9067



19.7467, 9.3601, 37.9584



1.1405, 0.5421, 2.1241

Inverse Universe

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



35.6687, 26.9010, 22.3824



51.7976, 35.7171, 25.9753



35.0040, 50.8929, 36.8480



11.8591, 11.8284, 12.5340



16.3208, 8.4012, 1.3295



0.9303, 0.4768, 0.1676

Previews

White Background



This preview shows how the XYZ color 40.6912, 28.5945, 63.0491 looks on a white background.

Color Contrast Check

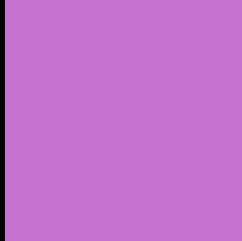
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6912, 28.5945, 63.0491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

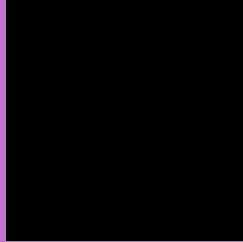
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6912, 28.5945, 63.0491

Background



This preview shows how black text looks on a background with the XYZ color 40.6912, 28.5945, 63.0491.



This preview shows how white text looks on a background with the XYZ color 40.6912, 28.5945,

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

40.6912, 28.5945, 63.0491

Protanopia

31.0700, 28.9159, 80.2877

Deuteranopia

29.3863, 28.7228, 59.8723



Tritanopia

33.6291, 28.6482, 28.1833

Trichromacy



Original Color

40.6912, 28.5945, 63.0491



Protanomaly

32.8982, 27.6699, 73.4189



Deuteranomaly

32.4235, 27.9070, 60.8044



Tritanomaly

35.6467, 28.3021, 38.7060

Monochromacy



Original Color

40.6912, 28.5945, 63.0491



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

32.2327, 29.0471, 42.4359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6912, 28.5945, 63.0491 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(198, 114, 208)` looks like.

```
.text, #text, p{  
    color:rgb(198, 114, 208)  
}
```

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(198, 114, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 114, 208) }
```

Border

The CSS property to change the border of an element to XYZ 40.6912, 28.5945, 63.0491 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(198, 114, 208) }
```


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

```
.border{ border-color:rgb(198, 114, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 114, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 114, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 114, 208);  
box-shadow:4px 4px 4px 4px rgb(198, 114,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6912, 28.5945, 63.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 114, 208) }
```

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

```
.background{ background-color: rgb(198,  
114, 208) }
```

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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