

# Converting Colors

XYZ(40.4945, 29.1865, 61.9820)

Have a look what the booklet for  
XYZ(40.4945, 29.1865, 61.9820)  
contains.

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# Color

**XYZ(40.3840, 29.1489,  
61.8903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C476CE
RGB	196, 118, 206
RGB Percent	77%, 46%, 81%
CMY	0.2314, 0.5372, 0.1922
CMYK	0.05, 0.43, 0.00, 0.19
HSL	293°, 47%, 64%
HSV	293°, 43%, 81%
XYZ	40.3840, 29.1489, 61.8903
YIQ	151.3540, 18.2400, 43.9040

# Conversions

## Conversions Part 2

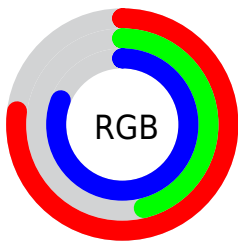
Format	Color
R <sub>Y</sub> B	196, 118, 206
Decimal	12875470
CIE Lab	60.91, 44.37, -33.06
CIE LCh	61, 55.334, 323.306
Yxy	29.1489, 0.3073, 0.2218
Android (android.graphics.Color)	4291065550 (0xFFC476CE)
YUV	151.3540, 26.9405, 39.1545
Hunter-Lab	53.9897, 39.0350, -30.1734

# Details

The XYZ color **40.3840, 29.1489, 61.8903** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.2443, 50.0405, 24.9948**, and the grayscale version is **29.4506, 30.9844, 33.7420**.

A 20% lighter version of the original color is **73.6756, 57.7959, 101.8803**, and **18.3493, 11.7062, 30.5706** is the 20% darker color. If you saturate the color by 10%, you get **37.6140, 24.5051, 61.1404**, and if you desaturate by 10%, it is **43.6952, 34.8595, 62.8185**.

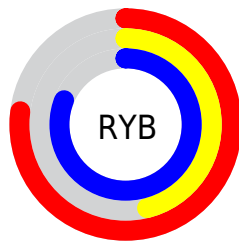
# Distribution



Red (77%)

Green (46%)

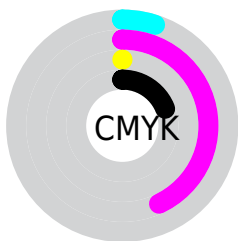
Blue (81%)



Red (77%)

Yellow (46%)

Blue (81%)

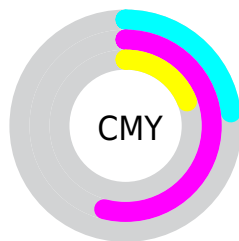


Cyan (5%)

Magenta (43%)

Yellow (0%)

Black (19%)



Cyan (23%)

Magenta (54%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3840, 29.1489, 61.8903 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 40.3840, 29.1489, 61.8903 by changing the saturation by 10% instead.





 40.3840, 29.1489,  
61.8903


 40.3840, 29.1489,  
61.8903

338.8462,  
297.9169, 449.5274


 28.0236, 19.1935,  
44.5088

 75.0285, 58.3136,  
109.1370

 18.4840, 11.8102,  
30.7306


 98.0434, 78.2916,  
139.8394

 11.3998, 6.6146,  
20.1371


 125.3404,  
102.3794, 175.8191

 6.4057, 3.2222,  
12.3096

157.2850,  
130.9611, 217.4948

 3.1363, 1.2488,  
6.8298

194.2426,  
164.4214, 265.2849

 1.2262, 0.1011,  
3.2791

236.5784,

 0.1269, 0.0000,

203.1445, 319.6080

1.2388

284.6578,  
247.5149, 380.8827

■ 0.0000, 0.0000,  
0.0109

■ 0.0000, 0.0000,  
0.0000

■ 40.3840, 29.1489,  
61.8903

■ 40.3840, 29.1489,  
61.8903

■ 37.6140, 24.5051,  
61.1404

■ 43.6952, 34.8595,  
62.8185

■ 35.3473, 20.8546,  
60.5552


■ 47.5763, 41.6966,  
63.9336


■ 33.5459, 18.1206,  
60.1225


■ 52.0576, 49.7198,  
65.2461


■ 32.1648, 16.2135,  
59.8271


■ 57.1664, 58.9836,  
66.7649


 31.1501, 15.0252,  
59.6513


 62.9281, 69.5389,  
68.4986

 30.5724, 14.4737,  
59.5753

 69.3668, 81.4340,  
70.4552

 74.1637, 90.0309,  
71.8618

 74.8451, 90.3822,  
71.8936

 75.5363, 90.7385,  
71.9260

# Harmonies

## Analogous

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



33.5642, 29.1489, 83.9966



40.3840, 29.1489, 61.8903



43.8936, 29.1489, 36.5984

# Triad

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



40.3840, 29.1489, 61.8903



29.3539, 29.1489, 6.3727



16.8176, 29.1489, 50.1951

# Complementary

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



40.3840, 29.1489, 61.8903



34.2443, 50.0405, 24.9948

# 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.



16.0848, 29.1489, 27.3285



40.3840, 29.1489, 61.8903



22.5710, 29.1489, 7.4466

# Square

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



40.3840, 29.1489, 61.8903



36.8490, 29.1489, 9.3510



18.0038, 29.1489, 13.4250



20.2149, 29.1489, 75.4435



# Rectangle

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



40.3840, 29.1489, 61.8903



43.5171, 29.1489, 23.4442



18.0038, 29.1489, 13.4250



16.2789, 29.1489, 41.7885

# Sweetspot

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



40.3850, 29.1502, 61.8909



83.9992, 79.9355, 105.6096



26.3670, 23.8172, 61.6004



17.6156, 16.4553, 22.4977



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.



40.3850, 29.1502, 61.8909



61.3881, 40.4388, 99.1777



39.4050, 29.0687, 42.6991



11.5572, 11.3365, 14.1494



18.8776, 8.9393, 36.6868



1.0104, 0.4800, 1.8943



# Inverse Universe

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



35.8292, 27.6384, 23.8696



53.2808, 37.8000, 29.1936



35.1892, 50.2531, 37.4378



11.2633, 11.2341, 11.9212



15.7897, 8.1264, 1.3450



0.8324, 0.4264, 0.1632



# Previews

## White Background



This preview shows how the XYZ color 40.3840, 29.1489, 61.8903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

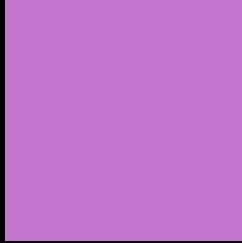
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 40.3840, 29.1489, 61.8903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

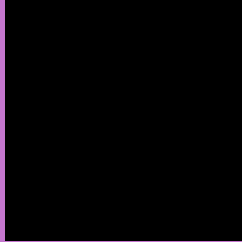
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.3840, 29.1489, 61.8903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3840, 29.1489, 61.8903.



This preview shows how white text looks on a background with the XYZ color 40.3840, 29.1489,



# 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

40.3840, 29.1489, 61.8903

### Protanopia

31.4651, 29.6341, 77.4604

### Deuteranopia

30.0281, 29.2931, 59.3298



## Tritanopia

33.6273, 29.0203, 29.4203

# Trichromacy



**Original Color**

40.3840, 29.1489, 61.8903

**Protanomaly**

33.4363, 28.6062, 71.4694

**Deuteranomaly**

32.9610, 28.6083, 60.2846

**Tritanomaly**

35.6161, 28.8425, 39.2873

# Monochromacy



**Original Color**

40.3840, 29.1489, 61.8903

**Achromatopsia**

29.4150, 30.9469, 33.7012

**Achromatomaly**

32.5197, 29.6210, 42.5315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3840, 29.1489, 61.8903 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(196, 118, 206)` looks like.

```
.text, #text, p{  
    color:rgb(196, 118, 206)  
}
```

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(196, 118, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 118, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3840, 29.1489, 61.8903 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(196, 118, 206) }
```



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

```
.border{ border-color:rgb(196, 118, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 118, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 118, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 118, 206); box-shadow:4px 4px 4px 4px rgb(196, 118, 206) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3840, 29.1489, 61.8903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 118, 206) }
```

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

```
.background{ background-color: rgb(196,  
118, 206) }
```

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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