

Converting Colors

XYZ(35.9209, 26.7844, 63.3779)

Have a look what the booklet for
XYZ(35.9209, 26.7844, 63.3779)
contains.

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Color

**XYZ(35.8916, 26.7904,
63.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	B076D1
RGB	176, 118, 209
RGB Percent	69%, 46%, 82%
CMY	0.3098, 0.5372, 0.1804
CMYK	0.16, 0.44, 0.00, 0.18
HSL	278°, 50%, 64%
HSV	278°, 44%, 82%
XYZ	35.8916, 26.7904, 63.6010
YIQ	145.7160, 5.3570, 40.5970

Conversions

Conversions Part 2

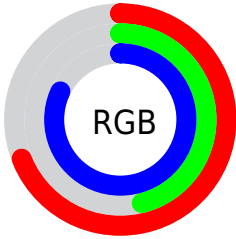
Format	Color
R_{YB}	176, 118, 209
Decimal	11564753
CIE _{Lab}	58.78, 39.07, -38.25
CIE _{LCh}	59, 54.682, 315.607
Yxy	26.7904, 0.2842, 0.2121
Android (android.graphics.Color)	4289754833 (0xFFB076D1)
YUV	145.7160, 31.1990, 26.5591
Hunter-Lab	51.7594, 33.1984, -36.6228

Details

The XYZ color **35.8916, 26.7904, 63.6010** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.8336, 53.4888, 25.4182**, and the grayscale version is **27.0812, 28.4916, 31.0273**.

A 20% lighter version of the original color is **66.2172, 53.6695, 101.4770**, and **15.9259, 10.6049, 31.7794** is the 20% darker color. If you saturate the color by 10%, you get **32.0317, 21.5433, 62.7921**, and if you desaturate by 10%, it is **40.3944, 33.1795, 64.5973**.

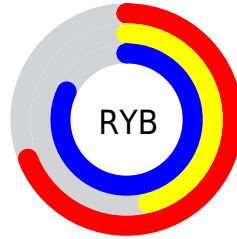
Distribution



Red (69%)

Green (46%)

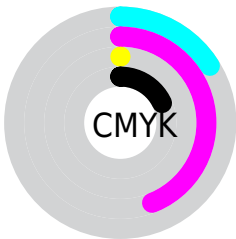
Blue (82%)



Red (69%)

Yellow (46%)

Blue (82%)

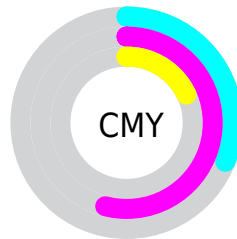


Cyan (16%)

Magenta (44%)

Yellow (0%)

Black (18%)



Cyan (31%)


Magenta (54%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8916, 26.7904, 63.6010 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 35.8916, 26.7904, 63.6010 by changing the saturation by 10% instead.


 35.8916, 26.7904,
63.6010


 35.8916, 26.7904,
63.6010


319.9260,
286.6408, 455.9152

 24.5202, 17.4159,
45.8835


 68.1897, 54.5473,
111.6300

 15.8468, 10.5314,
31.8059


 89.8471, 73.6985,
142.7786

 9.5060, 5.7527,
20.9497


 115.6639, 96.8774,
179.2413

 5.1324, 2.6953,
12.8963

146.0054,
124.4684, 221.4367

 2.3607, 0.9748,
7.2273

181.2370,
156.8558, 269.7832

 0.8255, 0.0000,
3.5241

221.7241,

 0.0000, 0.0000,

194.4241, 324.6994

1.3681

267.8320,
237.5576, 386.6039

■ 0.0000, 0.0000,
0.1166

■ 0.0000, 0.0000,
0.0000

■ 35.8916, 26.7904,
63.6010

■ 35.8916, 26.7904,
63.6010

■ 32.0317, 21.5433,
62.7921

■ 40.3944, 33.1795,
64.5973

■ 28.7738, 17.3613,
62.1566

■ 45.5717, 40.7742,
65.7904

■ 26.0764, 14.1629,
61.6814

■ 51.4564, 49.6373,
67.1910

■ 23.8907, 11.8530,
61.3507

■ 58.0784, 59.8262,
68.8086

■ 22.1582, 10.3168,
61.1455

■ 65.4655, 71.3947,
70.6522

■ 21.2149, 9.6072,
61.0583

■ 73.6443, 84.3936,
72.7302

■ 79.5994, 92.7906,
74.0371

■ 82.0717, 94.0651,
74.1528

■ 84.6510, 95.3947,
74.2735

Harmonies

Analogous

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



29.1115, 26.7904, 81.5068



35.8916, 26.7904, 63.6010



40.1918, 26.7904, 39.4030

Triad

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



35.8916, 26.7904, 63.6010



28.8227, 26.7904, 5.9664



14.9101, 26.7904, 40.3379

Complementary

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



35.8916, 26.7904, 63.6010



38.8336, 53.4888, 25.4182

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.



14.8605, 26.7904, 20.8827



35.8916, 26.7904, 63.6010



22.1337, 26.7904, 6.0373

Square

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



35.8916, 26.7904, 63.6010



35.6482, 26.7904, 9.8749



17.2804, 26.7904, 10.1473



17.4307, 26.7904, 64.5399

Rectangle

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



35.8916, 26.7904, 63.6010



40.6611, 26.7904, 25.6923



17.2804, 26.7904, 10.1473



14.6210, 26.7904, 32.9485

Sweetspot

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



35.8926, 26.7915, 63.6016



81.0863, 78.4338, 105.4733



30.1065, 30.7074, 64.6624



16.8915, 16.0820, 22.4638



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.



35.8926, 26.7915, 63.6016



50.7672, 34.4907, 98.5894



42.8364, 30.5382, 56.3806



11.8777, 11.7858, 14.8925



13.1917, 5.9809, 37.6516



0.8229, 0.3784, 2.1092

Inverse Universe

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



38.3596, 28.7475, 32.8059



55.5504, 38.1982, 42.7162



34.3107, 51.0684, 29.2159



11.9834, 11.8781, 13.1883



17.0555, 8.6950, 5.1986



0.9913, 0.5012, 0.4888

Previews

White Background



This preview shows how the XYZ color 35.8916, 26.7904, 63.6010 looks on a white background.

Color Contrast Check

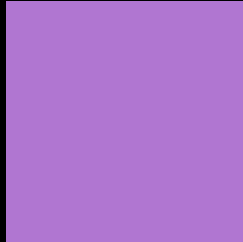
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8916, 26.7904, 63.6010 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 35.8916, 26.7904, 63.6010

Background



This preview shows how black text looks on a background with the XYZ color 35.8916, 26.7904, 63.6010.



This preview shows how white text looks on a background with the XYZ color 35.8916, 26.7904,

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

35.8916, 26.7904, 63.6010

Protanopia

29.2821, 27.1994, 76.3797

Deuteranopia

27.7336, 26.9459, 61.4970



Tritanopia

29.0713, 26.8652, 29.6399

Trichromacy



Original Color

35.8916, 26.7904, 63.6010



Protanomaly

30.7074, 26.3865, 71.1848



Deuteranomaly

29.8731, 26.3620, 61.9064



Tritanomaly

31.2718, 26.7744, 40.0790

Monochromacy



Original Color

35.8916, 26.7904, 63.6010



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

29.8702, 27.6410, 41.2970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8916, 26.7904, 63.6010 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(176, 118, 209)` looks like.

```
.text, #text, p{  
    color:rgb(176, 118, 209)  
}
```

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(176, 118, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 118, 209) }
```

Border

The CSS property to change the border of an element to XYZ 35.8916, 26.7904, 63.6010 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(176, 118, 209) }
```


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

```
.border{ border-color:rgb(176, 118, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 118, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 118, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 118, 209);  
box-shadow:4px 4px 4px 4px rgb(176, 118,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8916, 26.7904, 63.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 118, 209) }
```

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

```
.background{ background-color: rgb(176,  
118, 209) }
```

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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