

Converting Colors

XYZ(35.4780, 24.0661, 67.2462)

Have a look what the booklet for
XYZ(35.4780, 24.0661, 67.2462)
contains.

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Color

**XYZ(35.4761, 24.0718,
67.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	B267D7
RGB	178, 103, 215
RGB Percent	70%, 40%, 84%
CMY	0.3020, 0.5961, 0.1569
CMYK	0.17, 0.52, 0.00, 0.16
HSL	280°, 58%, 62%
HSV	280°, 52%, 84%
XYZ	35.4761, 24.0718, 67.0665
YIQ	138.1930, 8.7480, 50.7320

Conversions

Conversions Part 2

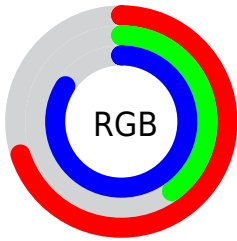
Format	Color
RYB	178, 103, 215
Decimal	11691991
CIELab	56.16, 48.97, -45.76
CIELCh	56, 67.017, 316.942
Yxy	24.0718, 0.2802, 0.1901
Android (android.graphics.Color)	4289882071 (0xFFB267D7)
YUV	138.1930, 37.8659, 34.9107
Hunter-Lab	49.0630, 43.2081, -46.7021

Details

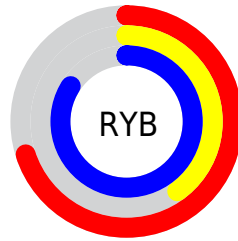
The XYZ color **35.4761, 24.0718, 67.0665** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.5645, 55.1561, 21.4993**, and the grayscale version is **24.0897, 25.3442, 27.5998**.

A 20% lighter version of the original color is **64.5305, 48.8298, 100.6317**, and **15.6974, 9.1167, 34.1901** is the 20% darker color. If you saturate the color by 10%, you get **32.0185, 19.5130, 66.3692**, and if you desaturate by 10%, it is **39.5696, 29.7755, 67.9521**.

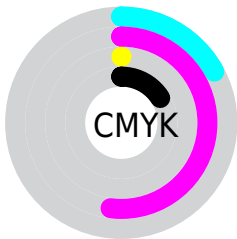
Distribution



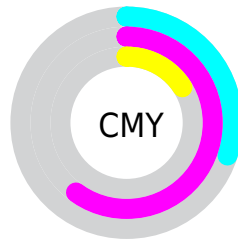
- Red (70%)
- Green (40%)
- Blue (84%)



- Red (70%)
- Yellow (40%)
- Blue (84%)



- Cyan (17%)
- Magenta (52%)
- Yellow (0%)
- Black (16%)




- Cyan (30%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4761, 24.0718, 67.0665 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 35.4761, 24.0718, 67.0665 by changing the saturation by 10% instead.


 35.4761, 24.0718,
67.0665


 35.4761, 24.0718,
67.0665


318.1362,
273.1833, 468.6894


 24.1981, 15.3869,
48.6767


 67.5518, 50.1473,
116.6572


 15.6062, 9.0914,
33.9993


 89.0803, 68.3068,
148.6953

 9.3350, 4.8008,
22.6157


 114.7562, 90.3931,
186.1199

 5.0192, 2.1309,
14.1074

 144.9451,
116.7909, 229.3495

 2.2934, 0.6819,
8.0558

180.0121,
147.8844, 278.8027

 0.7913, 0.0000,
4.0424

220.3227,

 0.0000, 0.0000,

184.0580, 334.8981

1.6486

266.2423,
225.6962, 398.0541

■ 0.0000, 0.0000,
0.3252

■ 0.0000, 0.0000,
0.0000

■ 35.4761, 24.0718,
67.0665

■ 35.4761, 24.0718,
67.0665

■ 32.0185, 19.5130,
66.3692

■ 39.5696, 29.7755,
67.9521

■ 29.1498, 16.0093,
65.8441

■ 44.3361, 36.6988,
69.0372

■ 26.8202, 13.4624,
65.4753

■ 49.8125, 44.9133,
70.3341

■ 24.9690, 11.7527,
65.2429

■ 56.0325, 54.4841,
71.8536

■ 23.7630, 10.8333,
65.1290

■ 63.0273, 65.4720,
73.6058

■ 70.8261, 77.9340,
75.6002

■ 79.4567, 91.9238,
77.8456

■ 82.2283, 94.0584,
78.1116

■ 84.6182, 95.2904,
78.2234

Harmonies

Analogous

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



27.4655, 24.0718, 91.1916



35.4761, 24.0718, 67.0665



40.5220, 24.0718, 36.9916

Triad

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



35.4761, 24.0718, 67.0665



26.3862, 24.0718, 2.8136



11.4477, 24.0718, 40.5916

Complementary

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



35.4761, 24.0718, 67.0665



37.5645, 55.1561, 21.4993

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.



11.2850, 24.0718, 17.7579



35.4761, 24.0718, 67.0665



18.8348, 24.0718, 2.9848

Square

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



35.4761, 24.0718, 67.0665



34.5350, 24.0718, 5.8449



13.6854, 24.0718, 6.6237



14.1948, 24.0718, 70.9364

Rectangle

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



35.4761, 24.0718, 67.0665



40.9244, 24.0718, 21.4168



13.6854, 24.0718, 6.6237



11.1148, 24.0718, 31.6701

Sweetspot

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



35.4770, 24.0728, 67.0670



78.6012, 74.2071, 104.7884



27.2870, 26.6446, 67.9951



16.4173, 15.2579, 22.3297



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.



35.4770, 24.0728, 67.0670



46.4218, 27.8344, 97.5336



42.8770, 28.1492, 55.5978



12.5358, 12.4176, 15.6737



14.3292, 6.5395, 38.9602



0.9500, 0.4386, 2.3539

Inverse Universe

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



37.6089, 26.0419, 27.8561



50.5735, 31.4476, 31.1818



33.3869, 52.8819, 26.7528



12.5907, 12.4878, 13.7851



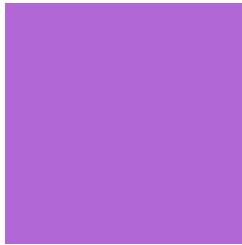
17.4866, 8.9309, 4.6003



1.0925, 0.5538, 0.4763

Previews

White Background



This preview shows how the XYZ color 35.4761, 24.0718, 67.0665 looks on a white background.

Color Contrast Check

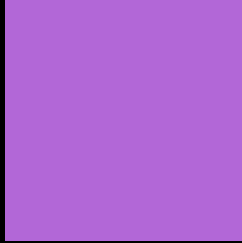
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.4761, 24.0718, 67.0665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

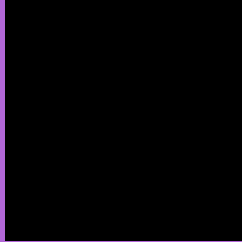
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.4761, 24.0718, 67.0665

Background



This preview shows how black text looks on a background with the XYZ color 35.4761, 24.0718, 67.0665.



This preview shows how white text looks on a background with the XYZ color 35.4761, 24.0718,

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

35.4761, 24.0718, 67.0665

Protanopia

27.4732, 24.3773, 86.4764

Deuteranopia

25.1024, 24.4728, 63.7223



Tritanopia

26.8336, 23.8587, 25.3812

Trichromacy



Original Color

35.4761, 24.0718, 67.0665



Protanomaly

28.7390, 23.2828, 79.3233



Deuteranomaly

27.4450, 23.3047, 64.6798



Tritanomaly

29.4338, 23.6812, 37.6699

Monochromacy



Original Color

35.4761, 24.0718, 67.0665



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.3534, 24.1927, 39.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4761, 24.0718, 67.0665 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(178, 103, 215)` looks like.

```
.text, #text, p{  
    color:rgb(178, 103, 215)  
}
```

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(178, 103, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 103, 215) }
```

Border

The CSS property to change the border of an element to XYZ 35.4761, 24.0718, 67.0665 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(178, 103, 215) }
```


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

```
.border{ border-color:rgb(178, 103, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 103, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 103, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 103, 215);  
box-shadow:4px 4px 4px 4px rgb(178, 103,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4761, 24.0718, 67.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 103, 215) }
```

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

```
.background{ background-color: rgb(178,  
103, 215) }
```

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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