

Converting Colors

XYZ(35.1345, 27.9363, 70.7661)

Have a look what the booklet for
XYZ(35.1345, 27.9363, 70.7661)
contains.

XYZ(35.0735, 27.8703, 70.5488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.0735, 27.8703,
70.5488)**

Conversions

Conversions Part 1

Format	Color
Hex	A17FDB
RGB	161, 127, 219
RGB Percent	63%, 50%, 86%
CMY	0.3686, 0.5019, 0.1412
CMYK	0.26, 0.42, 0.00, 0.14
HSL	262°, 56%, 68%
HSV	262°, 42%, 86%
XYZ	35.0735, 27.8703, 70.5488
YIQ	147.6540, -9.2680, 35.8200

Conversions

Conversions Part 2

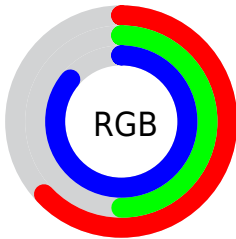
Format	Color
RYB	161, 127, 219
Decimal	10584027
CIELab	59.77, 32.03, -42.42
CIELCh	60, 53.158, 307.055
Yxy	27.8703, 0.2627, 0.2088
Android (android.graphics.Color)	4288774107 (0xFFA17FDB)
YUV	147.6540, 35.1736, 11.7044
Hunter-Lab	52.7923, 26.2030, -42.2773

Details

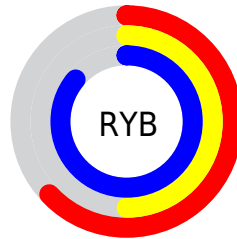
The XYZ color **35.0735, 27.8703, 70.5488** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.1705, 62.5102, 29.5538**, and the grayscale version is **27.8664, 29.3176, 31.9268**.

A 20% lighter version of the original color is **62.9865, 54.6142, 101.8296**, and **15.4181, 11.1139, 36.4545** is the 20% darker color. If you saturate the color by 10%, you get **29.9162, 21.4599, 69.5838**, and if you desaturate by 10%, it is **41.1548, 35.6706, 71.7344**.

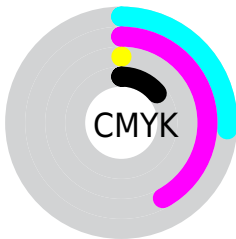
Distribution



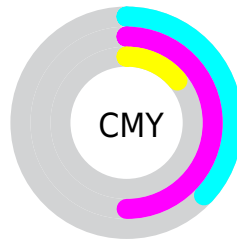
- Red (63%)
- Green (50%)
- Blue (86%)



- Red (63%)
- Yellow (50%)
- Blue (86%)



- Cyan (26%)
- Magenta (42%)
- Yellow (0%)
- Black (14%)



- Cyan (37%)
- Magenta (50%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0735, 27.8703, 70.5488 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 35.0735, 27.8703, 70.5488 by changing the saturation by 10% instead.

■ 35.0735, 27.8703,
70.5488

■ 35.0735, 27.8703,
70.5488

316.3950,
291.8466, 481.3157

■ 23.8863, 18.2279,
51.4945

■ 66.9329, 56.2773,
121.6795

■ 15.3736, 11.1137,
36.2228

■ 88.3358, 75.8107,
154.5930

■ 9.1700, 6.1434,
24.3153

■ 113.8746, 99.4099,
192.9633

■ 4.9102, 2.9325,
15.3533

143.9147,
127.4593, 237.2089

■ 2.2289, 1.0966,
8.9184

178.8214,
160.3433, 287.7484

■ 0.7579, 0.0000,
4.5919

218.9601,

■ 0.0000, 0.0000,

198.4462, 345.0003

1.9553

264.6962,
242.1525, 409.3833

■ 0.0000, 0.0000,
0.5276

■ 0.0000, 0.0000,
0.0000

■ 35.0735, 27.8703,
70.5488

■ 35.0735, 27.8703,
70.5488

■ 29.9162, 21.4599,
69.5838

■ 41.1548, 35.6706,
71.7344

■ 25.6296, 16.3505,
68.8235

■ 48.2031, 44.9358,
73.1513

■ 22.1593, 12.4478,
68.2531

■ 56.2622, 55.7389,
74.8117

■ 19.4425, 9.6427,
67.8548

■ 65.3723, 68.1474,
76.7266

■ 17.4053, 7.8050,
67.6075

■ 75.5712, 82.2245,
78.9062

■ 16.1742, 6.8610,
67.4902

■ 85.7995, 95.8392,
80.9951

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



28.1105, 27.8703, 83.9541



35.0735, 27.8703, 70.5488



40.2757, 27.8703, 47.1997

Triad

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



35.0735, 27.8703, 70.5488



31.8592, 27.8703, 7.4189



15.6150, 27.8703, 35.1269

Complementary

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



35.0735, 27.8703, 70.5488



49.1705, 62.5102, 29.5538

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.



16.2747, 27.8703, 18.0742



35.0735, 27.8703, 70.5488



24.9328, 27.8703, 6.4301

Square

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



35.0735, 27.8703, 70.5488



38.2115, 27.8703, 13.0499



19.4351, 27.8703, 9.3438



17.4500, 27.8703, 58.5885

Rectangle

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



35.0735, 27.8703, 70.5488



41.6210, 27.8703, 32.2894



19.4351, 27.8703, 9.3438



15.5582, 27.8703, 28.4822

Sweetspot

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



35.0745, 27.8714, 70.5494



78.0964, 76.8925, 105.3334



38.9443, 44.4370, 73.5430



16.1544, 15.7021, 22.4293



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.



35.0745, 27.8714, 70.5494



43.2982, 31.5983, 98.4248



46.0340, 33.5212, 71.0623



12.7909, 12.8503, 16.4583



9.7014, 4.1254, 40.0234



0.7217, 0.3153, 2.5973

Inverse Universe

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



45.5605, 33.7425, 50.0112



60.2645, 41.1164, 64.3569



39.8552, 57.7080, 29.1179



13.3996, 13.1890, 15.3657



20.0996, 10.0409, 15.4362



1.3432, 0.6669, 1.2162

Previews

White Background



This preview shows how the XYZ color 35.0735, 27.8703, 70.5488 looks on a white background.

Color Contrast Check

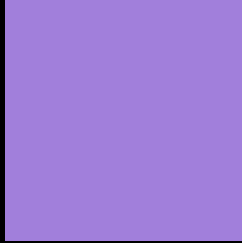
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0735, 27.8703, 70.5488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

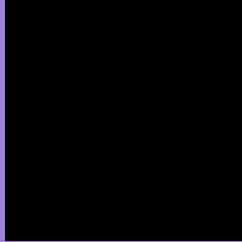
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.0735, 27.8703, 70.5488

Background



This preview shows how black text looks on a background with the XYZ color 35.0735, 27.8703, 70.5488.



This preview shows how white text looks on a background with the XYZ color 35.0735, 27.8703,

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

35.0735, 27.8703, 70.5488

Protanopia

30.2554, 28.0705, 79.4248

Deuteranopia

28.7727, 27.9823, 68.8504



Tritanopia

27.8172, 28.0355, 34.0823

Trichromacy



Original Color

35.0735, 27.8703, 70.5488

Protanomaly

31.5714, 27.7436, 76.3641

Deuteranomaly

30.5233, 27.5682, 69.3581

Tritanomaly

30.0183, 27.8379, 45.3861

Monochromacy



Original Color

35.0735, 27.8703, 70.5488

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.1549, 28.5845, 43.9724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0735, 27.8703, 70.5488 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(161, 127, 219)` looks like.

```
.text, #text, p{  
    color:rgb(161, 127, 219)  
}
```

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(161, 127, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 127, 219) }
```

Border

The CSS property to change the border of an element to XYZ 35.0735, 27.8703, 70.5488 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(161, 127, 219) }
```


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

```
.border{ border-color:rgb(161, 127, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 127, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 127, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 127, 219);  
box-shadow:4px 4px 4px 4px rgb(161, 127,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0735, 27.8703, 70.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 127, 219) }
```

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

```
.background{ background-color: rgb(161,  
127, 219) }
```

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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