

Converting Colors

XYZ(35.8676, 29.8775, 65.1541)

Have a look what the booklet for
XYZ(35.8676, 29.8775, 65.1541)
contains.

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Color

**XYZ(35.6750, 29.7027,
64.8257)**

Conversions

Conversions Part 1

Format	Color
Hex	A586D2
RGB	165, 134, 210
RGB Percent	65%, 53%, 82%
CMY	0.3529, 0.4745, 0.1765
CMYK	0.21, 0.36, 0.00, 0.18
HSL	264°, 46%, 67%
HSV	264°, 36%, 82%
XYZ	35.6750, 29.7027, 64.8257
YIQ	151.9330, -5.9200, 30.2080

Conversions

Conversions Part 2

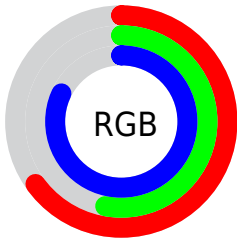
Format	Color
RYB	165, 134, 210
Decimal	10847954
CIELab	61.40, 27.06, -34.81
CIELCh	61, 44.092, 307.866
Yxy	29.7027, 0.2740, 0.2281
Android (android.graphics.Color)	4289038034 (0xFFA586D2)
YUV	151.9330, 28.6270, 11.4598
Hunter-Lab	54.5002, 21.4681, -32.3729

Details

The XYZ color **35.6750, 29.7027, 64.8257** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **45.9410, 57.3988, 31.2133**, and the grayscale version is **29.6993, 31.2460, 34.0269**.

A 20% lighter version of the original color is **65.8520, 58.5586, 102.4399**, and **15.7688, 12.1519, 32.5248** is the 20% darker color. If you saturate the color by 10%, you get **30.5939, 23.1945, 63.8378**, and if you desaturate by 10%, it is **41.5859, 37.4955, 66.0188**.

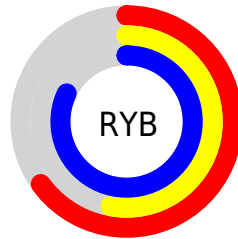
Distribution



Red (65%)

Green (53%)

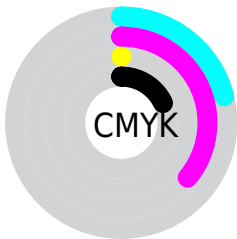
Blue (82%)



Red (65%)

Yellow (53%)

Blue (82%)

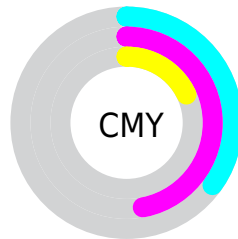


Cyan (21%)

Magenta (36%)

Yellow (0%)

Black (18%)



Cyan (35%)


Magenta (47%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6750, 29.7027, 64.8257 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 35.6750, 29.7027, 64.8257 by changing the saturation by 10% instead.


 35.6750, 29.7027,
64.8257

 35.6750, 29.7027,
64.8257

318.9939,
300.5162, 460.4544


 24.3522, 19.6130,
46.8693


 67.8573, 59.1917,
113.4101

 15.7213, 12.1141,
32.5787


 89.4475, 79.3598,
144.8752

 9.4167, 6.8214,
21.5355


 115.1910,
103.6562, 181.6803

 5.0733, 3.3507,
13.3209

145.4530,
132.4653, 224.2439

 2.3255, 1.3174,
7.5166

180.5990,
166.1714, 272.9846

 0.8077, 0.1546,
3.7039

220.9942,

 0.0000, 0.0000,

205.1590, 328.3209

1.4644

267.0040,
249.8125, 390.6713

■ 0.0000, 0.0000,
0.1912

■ 0.0000, 0.0000,
0.0000

■ 35.6750, 29.7027,
64.8257

■ 35.6750, 29.7027,
64.8257

■ 30.5939, 23.1945,
63.8378

■ 41.5859, 37.4955,
66.0188

■ 26.2981, 17.8951,
63.0413

■ 48.3619, 46.6358,
67.4259

■ 22.7433, 13.7260,
62.4240

■ 56.0398, 57.1865,
69.0578

■ 19.8788, 10.5975,
61.9711

■ 64.6532, 69.2056,
70.9237

■ 17.6465, 8.4056,
61.6657

■ 74.2340, 82.7476,
73.0326

■ 15.9749, 7.0205,
61.4864

■ 83.1952, 94.6299,
74.8538

■ 15.4393, 6.6154,
61.4364

■ 87.5532, 96.8765,
75.0578

■ 88.6330, 97.4332,
75.1083

Harmonies

Analogous

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



29.7913, 29.7027, 75.6266



35.6750, 29.7027, 64.8257



39.9218, 29.7027, 45.9863

Triad

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



35.6750, 29.7027, 64.8257



32.6627, 29.7027, 10.8070



18.5313, 29.7027, 36.9299

Complementary

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



35.6750, 29.7027, 64.8257



45.9410, 57.3988, 31.2133

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.



19.0802, 29.7027, 21.7036



35.6750, 29.7027, 64.8257



26.7272, 29.7027, 9.8446

Square

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



35.6750, 29.7027, 64.8257



38.0227, 29.7027, 16.3844



21.9029, 29.7027, 13.0603



20.2845, 29.7027, 56.2800

Rectangle

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



35.6750, 29.7027, 64.8257



40.9602, 29.7027, 33.5498



21.9029, 29.7027, 13.0603



18.4577, 29.7027, 31.1619

Sweetspot

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



35.6760, 29.7039, 64.8264



80.8969, 80.3758, 105.8581



37.7060, 42.2038, 67.1321



16.9683, 16.7275, 22.5844



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.



35.6760, 29.7039, 64.8264



49.4830, 38.5348, 99.4377



44.6243, 34.3169, 65.2451



11.6138, 11.6497, 14.8802



9.5252, 4.0907, 37.4800



0.6216, 0.2746, 2.0998

Inverse Universe

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



43.2410, 34.0077, 46.9340



63.0861, 46.2848, 66.7611



38.4375, 53.5306, 30.8621



12.0982, 11.9240, 13.7931



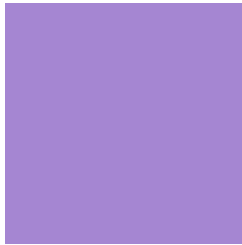
18.4958, 9.2712, 12.7831



1.0730, 0.5339, 0.9193

Previews

White Background



This preview shows how the XYZ color 35.6750, 29.7027, 64.8257 looks on a white background.

Color Contrast Check

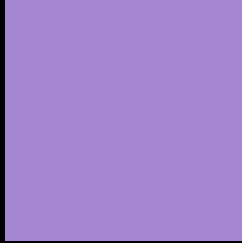
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6750, 29.7027, 64.8257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

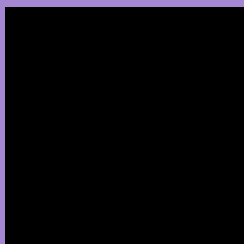
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6750, 29.7027, 64.8257

Background



This preview shows how black text looks on a background with the XYZ color 35.6750, 29.7027, 64.8257.



This preview shows how white text looks on a background with the XYZ color 35.6750, 29.7027,

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

35.6750, 29.7027, 64.8257

Protanopia

31.3655, 29.9360, 71.8352

Deuteranopia

30.5983, 29.9616, 63.2020



Tritanopia

29.8365, 29.7190, 35.6163

Trichromacy



Original Color

35.6750, 29.7027, 64.8257

Protanomaly

32.5489, 29.7071, 68.9843

Deuteranomaly

32.0427, 29.5628, 63.6919

Tritanomaly

31.6594, 29.5553, 45.1104

Monochromacy



Original Color

35.6750, 29.7027, 64.8257

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.5729, 30.4360, 43.7458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6750, 29.7027, 64.8257 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(165, 134, 210)` looks like.

```
.text, #text, p{  
    color:rgb(165, 134, 210)  
}
```

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(165, 134, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 134, 210) }
```

Border

The CSS property to change the border of an element to XYZ 35.6750, 29.7027, 64.8257 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(165, 134, 210) }
```


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

```
.border{ border-color:rgb(165, 134, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 134, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 134, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 134, 210);  
box-shadow:4px 4px 4px 4px rgb(165, 134,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6750, 29.7027, 64.8257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 134, 210) }
```

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

```
.background{ background-color: rgb(165,  
134, 210) }
```

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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