

Converting Colors

XYZ(35.3854, 28.0841, 72.5602)

Have a look what the booklet for
XYZ(35.3854, 28.0841, 72.5602)
contains.

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Color

**XYZ(35.4012, 28.1859,
72.6818)**

Conversions

Conversions Part 1

Format	Color
Hex	A080DE
RGB	160, 128, 222
RGB Percent	63%, 50%, 87%
CMY	0.3725, 0.4980, 0.1294
CMYK	0.28, 0.42, 0.00, 0.13
HSL	260°, 59%, 69%
HSV	260°, 42%, 87%
XYZ	35.4012, 28.1859, 72.6818
YIQ	148.2840, -11.1020, 36.0180

Conversions

Conversions Part 2

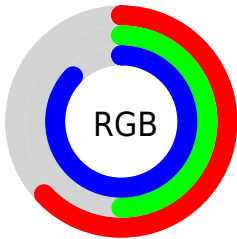
Format	Color
R_{YB}	160, 128, 222
Decimal	10518750
CIE _{Lab}	60.06, 31.92, -43.66
CIE _{LCh}	60, 54.082, 306.169
Yxy	28.1859, 0.2598, 0.2068
Android (android.graphics.Color)	4288708830 (0xFFA080DE)
YUV	148.2840, 36.3420, 10.2749
Hunter-Lab	53.0904, 26.1174, -44.0059

Details

The XYZ color **35.4012, 28.1859, 72.6818** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.2534, 64.7488, 30.2196**, and the grayscale version is **28.1241, 29.5887, 32.2221**.

A 20% lighter version of the original color is **63.1891, 55.0195, 101.8971**, and **15.5512, 11.2661, 37.4313** is the 20% darker color. If you saturate the color by 10%, you get **30.0593, 21.5940, 71.6915**, and if you desaturate by 10%, it is **41.7234, 36.2245, 73.9007**.

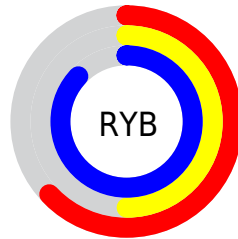
Distribution



Red (63%)

Green (50%)

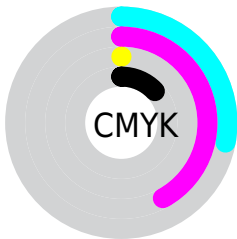
Blue (87%)



Red (63%)

Yellow (50%)

Blue (87%)

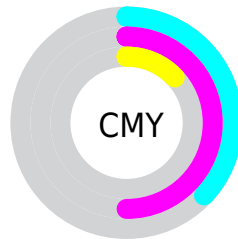


Cyan (28%)

Magenta (42%)

Yellow (0%)

Black (13%)



Cyan (37%)

Magenta (50%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4012, 28.1859, 72.6818 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 35.4012, 28.1859, 72.6818 by changing the saturation by 10% instead.

35.4012, 28.1859,
72.6818

35.4012, 28.1859,
72.6818

317.8128,
293.3542, 488.9524

24.1400, 18.4658,
53.2256

67.4368, 56.7811,
124.7421

15.5628, 11.2850,
37.5939

88.9419, 76.4250,
158.1833

9.3042, 6.2588,
25.3683

114.5924,
100.1457, 197.1232

4.9988, 3.0031,
16.1301

144.7536,
128.3275, 241.9803

2.2813, 1.1334,
9.4609

179.7909,
161.3549, 293.1733

0.7851, 0.0062,
4.9421

220.0696,

0.0000, 0.0000,

199.6122, 351.1206

2.1552

265.9551,
243.4838, 416.2408

■ 0.0000, 0.0000,
0.6483

■ 0.0000, 0.0000,
0.0000

■ 35.4012, 28.1859,
72.6818

■ 35.4012, 28.1859,
72.6818

■ 30.0593, 21.5940,
71.6915

■ 41.7234, 36.2245,
73.9007

■ 25.6409, 16.3559,
70.9133

■ 49.0720, 45.7884,
75.3594

■ 22.0877, 12.3728,
70.3318

■ 57.4940, 56.9542,
77.0707

■ 19.3325, 9.5301,
69.9283

■ 67.0321, 69.7922,
79.0460

■ 17.2963, 7.6911,
69.6806

■ 77.7270, 84.3689,
81.2959

■ 16.1318, 6.7931,
69.5687

■ 87.6059, 96.7244,
83.1601

■ 90.1849, 98.0540,
83.2808

Harmonies

Analogous

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



28.2401, 28.1859, 86.0366



35.4012, 28.1859, 72.6818



40.8403, 28.1859, 48.7302

Triad

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



35.4012, 28.1859, 72.6818



32.5118, 28.1859, 7.4115



15.6519, 28.1859, 34.9537

Complementary

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



35.4012, 28.1859, 72.6818



51.2534, 64.7488, 30.2196

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.



16.3998, 28.1859, 17.7622



35.4012, 28.1859, 72.6818



25.3902, 28.1859, 6.3018

Square

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



35.4012, 28.1859, 72.6818



38.9819, 28.1859, 13.2920



19.7022, 28.1859, 9.1093



17.4487, 28.1859, 58.9964

Rectangle

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



35.4012, 28.1859, 72.6818



42.3158, 28.1859, 33.2972



19.7022, 28.1859, 9.1093



15.6189, 28.1859, 28.2219

Sweetspot

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



35.4022, 28.1870, 72.6825



77.7799, 76.7293, 105.3185



40.6460, 46.9804, 76.0336



16.0768, 15.6620, 22.4257



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.



35.4022, 28.1870, 72.6825



41.7874, 30.3343, 98.2604



46.4510, 33.8828, 73.1995



13.3897, 13.4689, 17.2817



9.6889, 4.0901, 41.3272



0.7651, 0.3317, 2.8689

Inverse Universe

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



47.1384, 34.6866, 52.9265



60.2909, 40.6040, 66.1084



41.4619, 59.7011, 29.7613



14.0864, 13.8522, 16.2250



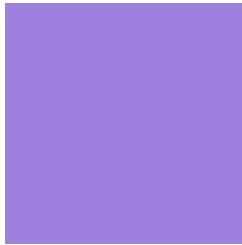
21.0486, 10.4864, 17.4533



1.5004, 0.7434, 1.4278

Previews

White Background



This preview shows how the XYZ color 35.4012, 28.1859, 72.6818 looks on a white background.

Color Contrast Check

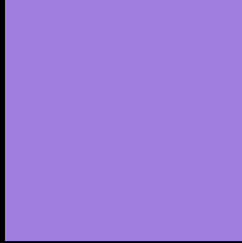
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.4012, 28.1859, 72.6818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

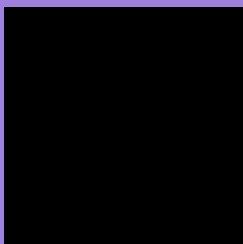
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.4012, 28.1859, 72.6818

Background



This preview shows how black text looks on a background with the XYZ color 35.4012, 28.1859, 72.6818.



This preview shows how white text looks on a background with the XYZ color 35.4012, 28.1859,

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

35.4012, 28.1859, 72.6818

Protanopia

30.8310, 28.5377, 81.7253

Deuteranopia

29.1898, 28.3760, 70.9565



Tritanopia

27.6878, 28.1811, 34.5520

Trichromacy



Original Color

35.4012, 28.1859, 72.6818

Protanomaly

32.1307, 28.1937, 78.6114

Deuteranomaly

30.9088, 27.9335, 71.4728

Tritanomaly

30.1741, 28.1070, 46.4827

Monochromacy



Original Color

35.4012, 28.1859, 72.6818

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.2116, 28.8203, 44.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4012, 28.1859, 72.6818 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(160, 128, 222)` looks like.

```
.text, #text, p{  
    color:rgb(160, 128, 222)  
}
```

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(160, 128, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 128, 222) }
```

Border

The CSS property to change the border of an element to XYZ 35.4012, 28.1859, 72.6818 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(160, 128, 222) }
```


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

```
.border{ border-color:rgb(160, 128, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 128, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 128, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 128, 222);  
box-shadow:4px 4px 4px 4px rgb(160, 128,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4012, 28.1859, 72.6818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 128, 222) }
```

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

```
.background{ background-color: rgb(160,  
128, 222) }
```

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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