

Converting Colors

XYZ(16.9416, 13.8115, 35.0307)

Have a look what the booklet for
XYZ(16.9416, 13.8115, 35.0307)
contains.

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Color

**XYZ(16.9416, 13.8115,
35.0307)**

Conversions

Conversions Part 1

Format	Color
Hex	705DA0
RGB	112, 93, 160
RGB Percent	44%, 36%, 63%
CMY	0.5608, 0.6353, 0.3725
CMYK	0.30, 0.42, 0.00, 0.37
HSL	257°, 26%, 50%
HSV	257°, 42%, 63%
XYZ	16.9416, 13.8115, 35.0307
YIQ	106.3190, -10.1830, 24.8650

Conversions

Conversions Part 2

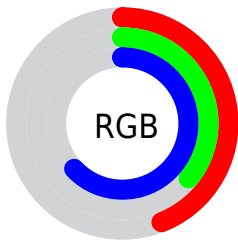
Format	Color
R _Y B	112, 93, 160
Decimal	7364000
CIE Lab	43.96, 22.94, -33.66
CIE LCh	44, 40.733, 304.269
Yxy	13.8115, 0.2575, 0.2100
Android (android.graphics.Color)	4285554080 (0xFF705DA0)
YUV	106.3190, 26.4647, 4.9822
Hunter-Lab	37.1638, 16.3348, -29.8722

Details

The XYZ color **16.9416, 13.8115, 35.0307** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.5314, 31.5949, 15.1092**, and the grayscale version is **13.7191, 14.4336, 15.7182**.

A 20% lighter version of the original color is **37.7561, 32.8521, 68.6411**, and **5.6478, 4.1078, 14.6826** is the 20% darker color. If you saturate the color by 10%, you get **14.3146, 10.5863, 34.5469**, and if you desaturate by 10%, it is **20.0491, 17.7211, 35.6218**.

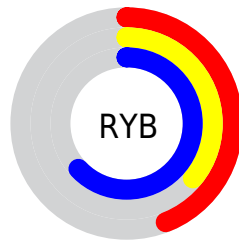
Distribution



Red (44%)

Green (36%)

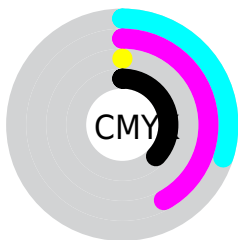
Blue (63%)



Red (44%)

Yellow (36%)

Blue (63%)

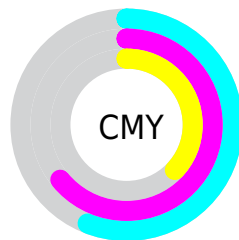


Cyan (30%)

Magenta (42%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (64%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9416, 13.8115, 35.0307 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 16.9416, 13.8115, 35.0307 by changing the saturation by 10% instead.

■ 16.9416, 13.8115,
35.0307

■ 16.9416, 13.8115,
35.0307

227.9984,
216.0550, 339.6122

■ 10.2879, 7.9897,
23.4028

■ 37.7697, 32.7542,
68.6854

■ 5.6540, 4.0883,
14.6831

■ 52.6749, 46.6438,
91.5493

■ 2.6745, 1.7231,
8.4531

■ 71.0612, 63.9916,
118.9956

■ 0.9841, 0.4385,
4.2943

■ 93.2941, 85.1817,
151.4429

■ 0.0000, 0.0000,
1.7882

119.7390,
110.5988, 189.3096

■ 0.0000, 0.0000,
0.4201

150.7610,

■ 0.0000, 0.0000,

140.6271, 233.0144

0.0000

186.7257,
175.6510, 282.9757

■ 16.9416, 13.8115,
35.0307

■ 16.9416, 13.8115,
35.0307

■ 14.3146, 10.5863,
34.5469

■ 20.0491, 17.7211,
35.6218

■ 12.1413, 8.0034,
34.1629

■ 23.6591, 22.3507,
36.3251

■ 10.3941, 6.0185,
33.8718

■ 27.7939, 27.7353,
37.1465

■ 9.0416, 4.5804,
33.6655

■ 32.4741, 33.9070,
38.0911

■ 8.0477, 3.6295,
33.5344

■ 37.7191, 40.8960,
39.1637

■ 7.4440, 3.1045,
33.4649

■ 43.5473, 48.7312,
40.3689

■ 49.9763, 57.4398,
41.7109

■ 57.0228, 67.0478,
43.1941

■ 64.7031, 77.5801,
44.8222

Harmonies

Analogous

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



13.5948, 13.8115, 40.6420



16.9416, 13.8115, 35.0307



19.5501, 13.8115, 24.1511

Triad

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



16.9416, 13.8115, 35.0307



16.0107, 13.8115, 4.0365



7.8597, 13.8115, 16.4007

Complementary

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



16.9416, 13.8115, 35.0307



25.5314, 31.5949, 15.1092

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.



8.2924, 13.8115, 8.5659



16.9416, 13.8115, 35.0307



12.6708, 13.8115, 3.3647

Square

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



16.9416, 13.8115, 35.0307



18.9538, 13.8115, 7.0857



9.9335, 13.8115, 4.6125



8.6372, 13.8115, 27.4322

Rectangle

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



16.9416, 13.8115, 35.0307



20.3222, 13.8115, 16.8843



9.9335, 13.8115, 4.6125



7.8695, 13.8115, 13.3321

Sweetspot

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



16.9421, 13.8120, 35.0310



49.3738, 48.9293, 67.2286



20.3871, 23.9203, 36.8005



10.4722, 10.2655, 14.6732



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9421, 13.8120, 35.0310



26.3902, 19.7049, 62.7990



22.0223, 16.4310, 35.2688



6.4526, 6.5218, 8.3254



5.8373, 2.4382, 26.0702



0.1427, 0.0634, 0.4679

Inverse Universe

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



23.2196, 17.2258, 27.3006



39.5110, 26.8546, 45.9882



20.6727, 29.0902, 14.8818



6.8239, 6.7225, 7.9236



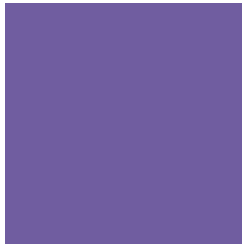
13.7064, 6.7871, 13.2370



0.2621, 0.1282, 0.3264

Previews

White Background



This preview shows how the XYZ color 16.9416, 13.8115, 35.0307 looks on a white 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

Black Background



This preview shows how the XYZ color 16.9416, 13.8115, 35.0307 looks on a black 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

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

XYZ 16.9416, 13.8115, 35.0307

Background



This preview shows how black text looks on a background with the XYZ color 16.9416, 13.8115, 35.0307.



This preview shows how white text looks on a background with the XYZ color 16.9416, 13.8115,

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

16.9416, 13.8115, 35.0307

Protanopia

14.9611, 13.9496, 38.9498

Deuteranopia

14.2638, 13.9890, 34.2961



Tritanopia

13.3544, 13.8953, 17.3074

Trichromacy



Original Color

16.9416, 13.8115, 35.0307

Protanomaly

15.4698, 13.8140, 37.4483

Deuteranomaly

15.0316, 13.7912, 34.6706

Tritanomaly

14.4635, 13.7635, 22.6632

Monochromacy



Original Color

16.9416, 13.8115, 35.0307

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.6039, 14.0019, 21.6716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9416, 13.8115, 35.0307 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(112, 93, 160)` looks like.

```
.text, #text, p{  
    color:rgb(112, 93, 160)  
}
```

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(112, 93, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 93, 160) }
```

Border

The CSS property to change the border of an element to XYZ 16.9416, 13.8115, 35.0307 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(112, 93, 160) }
```


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

```
.border{ border-color:rgb(112, 93, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 93, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 93, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 93, 160);  
box-shadow:4px 4px 4px 4px rgb(112, 93,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9416, 13.8115, 35.0307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 93, 160) }
```

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

```
.background{ background-color: rgb(112, 93,  
160) }
```

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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