

Converting Colors

XYZ(18.4064, 13.5808, 30.1339)

Have a look what the booklet for
XYZ(18.4064, 13.5808, 30.1339)
contains.

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Color

**XYZ(18.4267, 13.5789,
30.0836)**

Conversions

Conversions Part 1

Format	Color
Hex	865495
RGB	134, 84, 149
RGB Percent	53%, 33%, 58%
CMY	0.4745, 0.6706, 0.4157
CMYK	0.10, 0.44, 0.00, 0.42
HSL	286°, 28%, 46%
HSV	286°, 44%, 58%
XYZ	18.4267, 13.5789, 30.0836
YIQ	106.3600, 8.9350, 30.8150

Conversions

Conversions Part 2

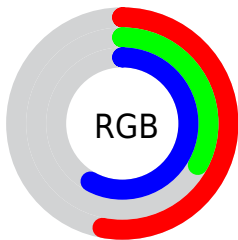
Format	Color
RYB	134, 84, 149
Decimal	8803477
CIELab	43.62, 32.39, -27.46
CIELCh	44, 42.465, 319.702
Yxy	13.5789, 0.2968, 0.2187
Android (android.graphics.Color)	4286993557 (0xFF865495)
YUV	106.3600, 21.0215, 24.2403
Hunter-Lab	36.8496, 24.7726, -22.6091

Details

The XYZ color **18.4267, 13.5789, 30.0836** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.4936, 24.7880, 12.2506**, and the grayscale version is **13.7411, 14.4567, 15.7434**.

A 20% lighter version of the original color is **40.1825, 32.3311, 60.6226**, and **6.4028, 3.9826, 11.9865** is the 20% darker color. If you saturate the color by 10%, you get **16.8519, 11.2293, 29.7133**, and if you desaturate by 10%, it is **20.2663, 16.4308, 30.5373**.

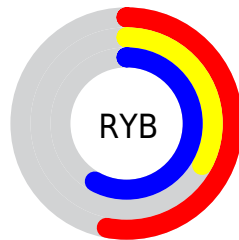
Distribution



Red (53%)

Green (33%)

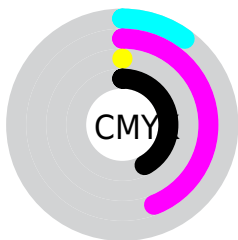
Blue (58%)



Red (53%)

Yellow (33%)

Blue (58%)

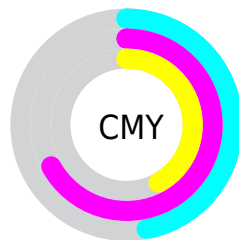


Cyan (10%)

Magenta (44%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (67%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4267, 13.5789, 30.0836 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 18.4267, 13.5789, 30.0836 by changing the saturation by 10% instead.

■ 18.4267, 13.5789,
30.0836

■ 18.4267, 13.5789,
30.0836

236.2646,
214.5952, 316.5134

■ 11.3583, 7.8284,
19.6495

■ 40.2875, 32.3400,
60.8569

■ 6.3774, 3.9853,
11.9590

■ 55.8106, 46.1193,
82.0332

■ 3.1187, 1.6654,
6.5935

■ 74.8827, 63.3437,
107.6273

■ 1.2169, 0.4011,
3.1347

■ 97.8690, 84.3975,
138.0577

■ 0.1196, 0.0000,
1.1638

■ 125.1350,
109.6652, 173.7429

■ 0.0000, 0.0000,
0.0000

157.0461,

139.5311, 215.1016

193.9675,
174.3796, 262.5522

■ 18.4267, 13.5789,
30.0836

■ 18.4267, 13.5789,
30.0836

■ 16.8519, 11.2293,
29.7133

■ 20.2663, 16.4308,
30.5373

■ 15.5245, 9.3488,
29.4203

■ 22.3838, 19.8122,
31.0784

■ 14.4273, 7.9027,
29.1990

■ 24.7930, 23.7501,
31.7115

■ 13.5401, 6.8508,
29.0427

■ 27.5066, 28.2695,
32.4408

■ 12.8386, 6.1450,
28.9434

■ 30.5361, 33.3934,
33.2702

■ 12.4449, 5.7889,
28.8955

■ 33.8928, 39.1441,
34.2032

■ 37.5872, 45.5422,
35.2435

■ 41.6294, 52.6078,
36.3942

■ 46.0290, 60.3599,
37.6587

Harmonies

Analogous

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



15.1856, 13.5789, 39.6137



18.4267, 13.5789, 30.0836



20.2799, 13.5789, 18.3083

Triad

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



18.4267, 13.5789, 30.0836



14.0841, 13.5789, 3.0919



7.7715, 13.5789, 21.8626

Complementary

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



18.4267, 13.5789, 30.0836



17.4936, 24.7880, 12.2506

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.



7.5795, 13.5789, 11.7456



18.4267, 13.5789, 30.0836



10.8673, 13.5789, 3.3740

Square

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



18.4267, 13.5789, 30.0836



17.5021, 13.5789, 4.7509



8.6159, 13.5789, 5.8188



9.1950, 13.5789, 33.6252

Rectangle

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



18.4267, 13.5789, 30.0836



20.2955, 13.5789, 11.9071



8.6159, 13.5789, 5.8188



7.5714, 13.5789, 18.0930

Sweetspot

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



18.4272, 13.5795, 30.0839



44.5656, 42.8052, 56.8346



13.5591, 13.0106, 30.2307



9.6718, 9.1491, 12.5410



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.4272, 13.5795, 30.0839



30.3272, 20.3259, 53.2461



19.7072, 14.3875, 23.4492



5.9058, 5.8424, 7.2862



10.5006, 4.8858, 24.3207



0.1541, 0.0730, 0.2989

Inverse Universe

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



17.8173, 13.6316, 13.4969



29.2819, 20.5433, 19.0302



16.7694, 24.3262, 16.2099



5.8524, 5.8360, 6.3288



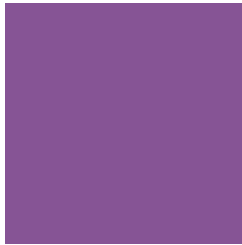
10.6893, 5.4808, 1.8451



0.1406, 0.0710, 0.0739

Previews

White Background



This preview shows how the XYZ color 18.4267, 13.5789, 30.0836 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 18.4267, 13.5789, 30.0836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

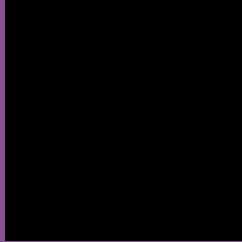
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4267, 13.5789, 30.0836

Background



This preview shows how black text looks on a background with the XYZ color 18.4267, 13.5789, 30.0836.



This preview shows how white text looks on a background with the XYZ color 18.4267, 13.5789,

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

18.4267, 13.5789, 30.0836

Protanopia

14.6628, 13.6932, 36.9922

Deuteranopia

14.0595, 13.7019, 29.0978



Tritanopia

15.2429, 13.6558, 14.4028

Trichromacy



Original Color

18.4267, 13.5789, 30.0836

Protanomaly

15.6057, 13.3969, 34.5642

Deuteranomaly

15.1844, 13.2943, 29.3695

Tritanomaly

16.2768, 13.5599, 19.2122

Monochromacy



Original Color

18.4267, 13.5789, 30.0836

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.0830, 13.8535, 20.2914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4267, 13.5789, 30.0836 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(134, 84, 149)` looks like.

```
.text, #text, p{  
    color:rgb(134, 84, 149)  
}
```

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(134, 84, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 84, 149) }
```

Border

The CSS property to change the border of an element to XYZ 18.4267, 13.5789, 30.0836 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(134, 84, 149) }
```


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

```
.border{ border-color:rgb(134, 84, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 84, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 84, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 84, 149);  
box-shadow:4px 4px 4px 4px rgb(134, 84,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4267, 13.5789, 30.0836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 84, 149) }
```

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

```
.background{ background-color: rgb(134, 84,  
149) }
```

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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