

Converting Colors

XYZ(18.8703, 13.8400, 30.6919)

Have a look what the booklet for
XYZ(18.8703, 13.8400, 30.6919)
contains.

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Color

**XYZ(18.8287, 13.7769,
30.5210)**

Conversions

Conversions Part 1

Format	Color
Hex	885496
RGB	136, 84, 150
RGB Percent	53%, 33%, 59%
CMY	0.4667, 0.6706, 0.4118
CMYK	0.09, 0.44, 0.00, 0.41
HSL	287°, 28%, 46%
HSV	287°, 44%, 59%
XYZ	18.8287, 13.7769, 30.5210
YIQ	107.0720, 9.8060, 31.5500

Conversions

Conversions Part 2

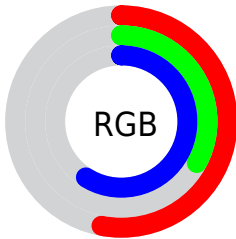
Format	Color
R_{YB}	136, 84, 150
Decimal	8934550
CIE _{Lab}	43.91, 33.23, -27.60
CIE _{LCh}	44, 43.198, 320.296
Yxy	13.7769, 0.2983, 0.2182
Android (android.graphics.Color)	4287124630 (0xFF885496)
YUV	107.0720, 21.1635, 25.3699
Hunter-Lab	37.1172, 25.5936, -22.7713

Details

The XYZ color **18.8287, 13.7769, 30.5210** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.5440, 25.0498, 12.2985**, and the grayscale version is **13.9368, 14.6626, 15.9676**.

A 20% lighter version of the original color is **41.0489, 32.7639, 61.2873**, and **6.5392, 4.0474, 12.2410** is the 20% darker color. If you saturate the color by 10%, you get **17.2778, 11.4305, 30.1501**, and if you desaturate by 10%, it is **20.6453, 16.6310, 30.9764**.

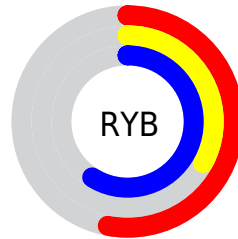
Distribution



Red (53%)

Green (33%)

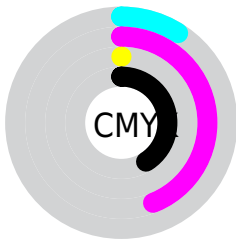
Blue (59%)



Red (53%)

Yellow (33%)

Blue (59%)

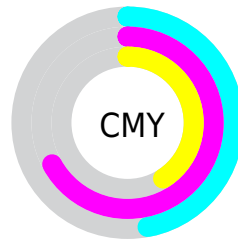


Cyan (9%)

Magenta (44%)

Yellow (0%)

Black (41%)



Cyan (47%)

Magenta (67%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8287, 13.7769, 30.5210 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 18.8287, 13.7769, 30.5210 by changing the saturation by 10% instead.

18.8287, 13.7769,
30.5210

18.8287, 13.7769,
30.5210

238.4578,
215.8385, 318.6080

11.6498, 7.9657,
19.9790

40.9636, 32.6926,
61.5559

6.5762, 4.0730,
12.1958

56.6503, 46.5659,
82.8858

3.2425, 1.7145,
6.7530

75.9036, 63.8954,
108.6487

1.2832, 0.4330,
3.2320

99.0890, 85.0653,
139.2632

0.1706, 0.0000,
1.2143

126.5717,
110.4602, 175.1479

0.0000, 0.0000,
0.0000

158.7172,

140.4645, 216.7212

195.8908,
175.4624, 264.4018

■ 18.8287, 13.7769,
30.5210

■ 18.8287, 13.7769,
30.5210

■ 17.2778, 11.4305,
30.1501

■ 20.6453, 16.6310,
30.9764

■ 15.9748, 9.5579,
29.8573

■ 22.7408, 20.0205,
31.5202

■ 14.9023, 8.1236,
29.6370

■ 25.1294, 23.9729,
32.1572

■ 14.0394, 7.0866,
29.4823

■ 27.8237, 28.5135,
32.8916

■ 13.3614, 6.3971,
29.3849

■ 30.8358, 33.6661,
33.7274

■ 13.0011, 6.0664,
29.3401

■ 34.1770, 39.4531,
34.6683

■ 37.8578, 45.8955,
35.7178

■ 41.8886, 53.0138,
36.8793

■ 46.2792, 60.8273,
38.1561

Harmonies

Analogous

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



15.5087, 13.7769, 40.4804



18.8287, 13.7769, 30.5210



20.6985, 13.7769, 18.4019

Triad

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



18.8287, 13.7769, 30.5210



14.2337, 13.7769, 3.0463



7.8476, 13.7769, 22.5213

Complementary

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



18.8287, 13.7769, 30.5210



17.5440, 25.0498, 12.2985

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.



7.6266, 13.7769, 12.0468



18.8287, 13.7769, 30.5210



10.9449, 13.7769, 3.3677

Square

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



18.8287, 13.7769, 30.5210



17.7570, 13.7769, 4.6806



8.6616, 13.7769, 5.9041



9.3293, 13.7769, 34.6377

Rectangle

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



18.8287, 13.7769, 30.5210



20.6825, 13.7769, 11.8822



8.6616, 13.7769, 5.9041



7.6348, 13.7769, 18.6220

Sweetspot

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



18.8292, 13.7775, 30.5213



44.6815, 42.8650, 56.8400



13.5575, 12.8791, 30.6257



9.7013, 9.1643, 12.5424



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.



18.8292, 13.7775, 30.5213



30.4796, 20.1550, 53.2051



19.8655, 14.4721, 23.3263



5.9162, 5.8478, 7.2867



10.8100, 5.0454, 24.3351



0.1565, 0.0742, 0.2990

Inverse Universe

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



17.9530, 13.7071, 13.2553



28.9188, 20.1292, 17.9466



16.9961, 24.6711, 16.6200



5.8482, 5.8343, 6.3065



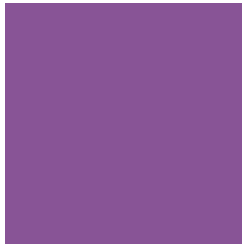
10.6560, 5.4675, 1.6697



0.1395, 0.0706, 0.0684

Previews

White Background



This preview shows how the XYZ color 18.8287, 13.7769, 30.5210 looks on a white background.

Color Contrast Check

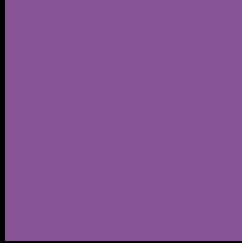
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8287, 13.7769, 30.5210 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 18.8287, 13.7769, 30.5210

Background



This preview shows how black text looks on a background with the XYZ color 18.8287, 13.7769, 30.5210.



This preview shows how white text looks on a background with the XYZ color 18.8287, 13.7769,

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

18.8287, 13.7769, 30.5210

Protanopia

14.8512, 13.9248, 37.5023

Deuteranopia

14.1584, 13.8997, 29.1308



Tritanopia

15.5437, 13.8109, 14.4169

Trichromacy



Original Color

18.8287, 13.7769, 30.5210

Protanomaly

15.6929, 13.4318, 35.0232

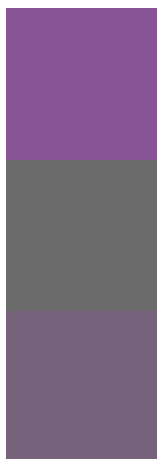
Deuteranomaly

15.3932, 13.5365, 29.4053

Tritanomaly

16.5866, 13.7196, 19.2267

Monochromacy



Original Color

18.8287, 13.7769, 30.5210

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.5082, 14.2053, 20.6634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8287, 13.7769, 30.5210 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(136, 84, 150)` looks like.

```
.text, #text, p{  
    color:rgb(136, 84, 150)  
}
```

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(136, 84, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 84, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.8287, 13.7769, 30.5210 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(136, 84, 150) }
```


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

```
.border{ border-color:rgb(136, 84, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 84, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 84, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 84, 150);  
box-shadow:4px 4px 4px 4px rgb(136, 84,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8287, 13.7769, 30.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 84, 150) }
```

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

```
.background{ background-color: rgb(136, 84,  
150) }
```

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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