

Converting Colors

XYZ(18.3064, 13.8373, 44.0894)

Have a look what the booklet for
XYZ(18.3064, 13.8373, 44.0894)
contains.

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Color

**XYZ(18.3912, 13.8442,
44.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	7059B3
RGB	112, 89, 179
RGB Percent	44%, 35%, 70%
CMY	0.5608, 0.6510, 0.2980
CMYK	0.37, 0.50, 0.00, 0.30
HSL	255°, 37%, 53%
HSV	255°, 50%, 70%
XYZ	18.3912, 13.8442, 44.3507
YIQ	106.1370, -15.1820, 32.8660

Conversions

Conversions Part 2

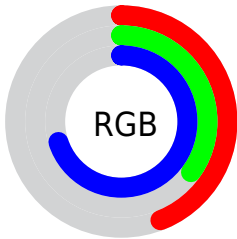
Format	Color
RYB	112, 89, 179
Decimal	7362995
CIELab	44.01, 30.54, -44.79
CIELCh	44, 54.212, 304.286
Yxy	13.8442, 0.2401, 0.1808
Android (android.graphics.Color)	4285553075 (0xFF7059B3)
YUV	106.1370, 35.9215, 5.1419
Hunter-Lab	37.2078, 23.1160, -44.6266

Details

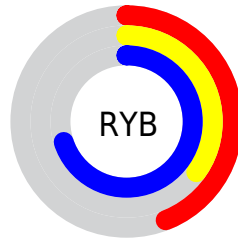
The XYZ color **18.3912, 13.8442, 44.3507** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **31.6335, 40.0295, 15.5108**, and the grayscale version is **13.6453, 14.3559, 15.6335**.

A 20% lighter version of the original color is **40.1644, 32.6789, 82.7880**, and **6.4334, 4.1639, 20.2033** is the 20% darker color. If you saturate the color by 10%, you get **15.5069, 10.4087, 43.8399**, and if you desaturate by 10%, it is **21.8897, 18.1344, 44.9947**.

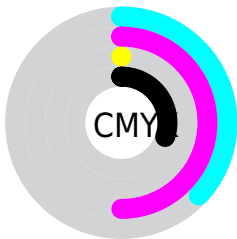
Distribution



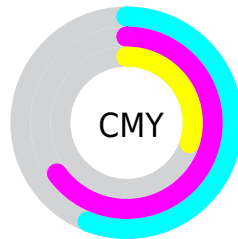
- Red (44%)
- Green (35%)
- Blue (70%)



- Red (44%)
- Yellow (35%)
- Blue (70%)



- Cyan (37%)
- Magenta (50%)
- Yellow (0%)
- Black (30%)



- Cyan (56%)
- Magenta (65%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3912, 13.8442, 44.3507 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 18.3912, 13.8442, 44.3507 by changing the saturation by 10% instead.

■ 18.3912, 13.8442,
44.3507

■ 18.3912, 13.8442,
44.3507

236.0701,
216.2594, 380.2206

■ 11.3326, 8.0124,
30.6071

■ 40.2277, 32.8123,
83.0533

■ 6.3599, 4.1029,
20.0439

■ 55.7363, 46.7174,
108.8494

■ 3.1079, 1.7313,
12.2426

■ 74.7922, 64.0824,
139.5000

■ 1.2111, 0.4438,
6.7846

■ 97.7609, 85.2917,
175.4238

■ 0.1151, 0.0000,
3.2513

■ 125.0077,
110.7296, 217.0391

■ 0.0000, 0.0000,
1.2244

156.8979,

■ 0.0000, 0.0000,

140.7806, 264.7647

0.0000

193.7969,
175.8291, 319.0190

■ 18.3912, 13.8442,
44.3507

■ 18.3912, 13.8442,
44.3507

■ 15.5069, 10.4087,
43.8399

■ 21.8897, 18.1344,
44.9947

■ 13.1975, 7.7672,
43.4517

■ 26.0350, 23.3310,
45.7792

■ 11.4212, 5.8534,
43.1759

■ 30.8595, 29.4836,
46.7125

■ 10.1295, 4.5889,
43.0000

■ 36.3925, 36.6375,
47.8017

■ 9.2521, 3.8297,
42.8997

■ 42.6620, 44.8352,
49.0536

■ 49.6942, 54.1167,
50.4745

■ 57.5139, 64.5198,
52.0704

■ 66.1450, 76.0807,
53.8469

■ 75.6102, 88.8336,
55.8096

Harmonies

Analogous

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



13.7866, 13.8442, 53.1996



18.3912, 13.8442, 44.3507



22.1091, 13.8442, 27.8692

Triad

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



18.3912, 13.8442, 44.3507



17.0846, 13.8442, 2.2178



6.5122, 13.8442, 16.9151

Complementary

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



18.3912, 13.8442, 44.3507



31.6335, 40.0295, 15.5108

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.



7.0232, 13.8442, 6.9533



18.3912, 13.8442, 44.3507



12.5498, 13.8442, 1.6410

Square

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



18.3912, 13.8442, 44.3507



21.2466, 13.8442, 5.2782



9.0264, 13.8442, 2.7488



7.4380, 13.8442, 32.7496

Rectangle

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



18.3912, 13.8442, 44.3507



23.2273, 13.8442, 17.5584



9.0264, 13.8442, 2.7488



6.5235, 13.8442, 12.8358

Sweetspot

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



18.3918, 13.8447, 44.3510



60.0860, 59.0134, 84.6050



24.2294, 29.3240, 47.0312



12.8607, 12.4916, 18.6555



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.3918, 13.8447, 44.3510



27.4341, 18.2468, 78.4572



25.5167, 17.5177, 44.6845



8.2388, 8.3316, 10.6803



6.5904, 2.7333, 30.3172



0.2625, 0.1144, 0.9565

Inverse Universe

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



28.1637, 19.1291, 33.6599



47.2105, 28.9681, 55.6062



24.5423, 36.3738, 15.1789



8.7554, 8.6089, 10.2104



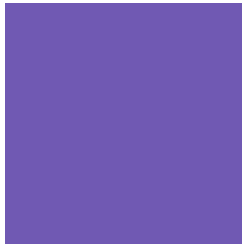
16.1683, 7.9849, 16.5779



0.5307, 0.2600, 0.6375

Previews

White Background



This preview shows how the XYZ color 18.3912, 13.8442, 44.3507 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 18.3912, 13.8442, 44.3507 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 18.3912, 13.8442, 44.3507

Background



This preview shows how black text looks on a background with the XYZ color 18.3912, 13.8442, 44.3507.



This preview shows how white text looks on a background with the XYZ color 18.3912, 13.8442,

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

18.3912, 13.8442, 44.3507

Protanopia

15.8613, 13.9988, 51.1563

Deuteranopia

14.4094, 14.0220, 43.0214



Tritanopia

12.9620, 13.8368, 17.6104

Trichromacy



Original Color

18.3912, 13.8442, 44.3507

Protanomaly

16.3862, 13.7569, 48.8054

Deuteranomaly

15.2993, 13.5939, 43.4125

Tritanomaly

14.4567, 13.5546, 25.5213

Monochromacy



Original Color

18.3912, 13.8442, 44.3507

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.9752, 13.9959, 24.1025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3912, 13.8442, 44.3507 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, 89, 179)` looks like.

```
.text, #text, p{  
    color:rgb(112, 89, 179)  
}
```

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, 89, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 89, 179) }
```

Border

The CSS property to change the border of an element to XYZ 18.3912, 13.8442, 44.3507 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, 89, 179) }
```


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

```
.border{ border-color:rgb(112, 89, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 89, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 89, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 89, 179); box-shadow:4px 4px 4px 4px rgb(112, 89, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3912, 13.8442, 44.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 89, 179) }
```

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

```
.background{ background-color: rgb(112, 89,  
179) }
```

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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