

Converting Colors

XYZ(18.2735, 13.1486, 48.5893)

Have a look what the booklet for
XYZ(18.2735, 13.1486, 48.5893)
contains.

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Color

**XYZ(18.2815, 13.2107,
48.6001)**

Conversions

Conversions Part 1

Format	Color
Hex	6B55BB
RGB	107, 85, 187
RGB Percent	42%, 33%, 73%
CMY	0.5804, 0.6667, 0.2667
CMYK	0.43, 0.55, 0.00, 0.27
HSL	253°, 43%, 53%
HSV	253°, 55%, 73%
XYZ	18.2815, 13.2107, 48.6001
YIQ	103.2060, -19.6300, 36.3860

Conversions

Conversions Part 2

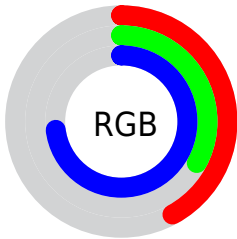
Format	Color
R_{YB}	107, 85, 187
Decimal	7034299
CIE _{Lab}	43.08, 33.97, -50.99
CIE _{LCh}	43, 61.266, 303.674
Yxy	13.2107, 0.2283, 0.1649
Android (android.graphics.Color)	4285224379 (0xFF6B55BB)
YUV	103.2060, 41.3104, 3.3273
Hunter-Lab	36.3465, 26.1751, -53.8360

Details

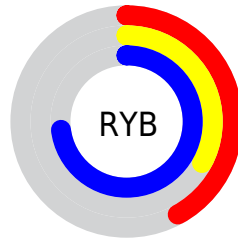
The XYZ color **18.2815, 13.2107, 48.6001** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **34.9272, 44.1961, 15.2846**, and the grayscale version is **12.8449, 13.5139, 14.7166**.

A 20% lighter version of the original color is **40.0974, 31.6461, 89.5829**, and **6.3244, 3.8483, 22.5998** is the 20% darker color. If you saturate the color by 10%, you get **15.3829, 9.8123, 48.0972**, and if you desaturate by 10%, it is **21.8693, 17.5421, 49.2473**.

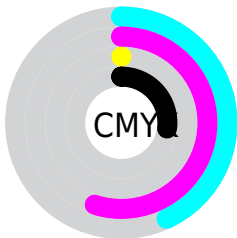
Distribution



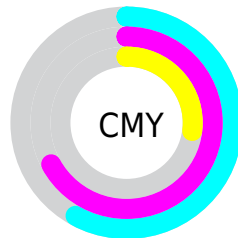
- Red (42%)
- Green (33%)
- Blue (73%)



- Red (42%)
- Yellow (33%)
- Blue (73%)



- Cyan (43%)
- Magenta (55%)
- Yellow (0%)
- Black (27%)



- Cyan (58%)
- Magenta (67%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2815, 13.2107, 48.6001 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 18.2815, 13.2107, 48.6001 by changing the saturation by 10% instead.

■ 18.2815, 13.2107,
48.6001

■ 18.2815, 13.2107,
48.6001

235.4680,
212.2636, 397.7430

■ 11.2532, 7.5738,
33.9390

■ 40.0427, 31.6818,
89.4721

■ 6.3059, 3.8235,
22.5698

■ 55.5064, 45.2848,
116.5200

■ 3.0744, 1.5753,
14.0738

■ 74.5125, 62.3119,
148.5339

■ 1.1932, 0.3409,
8.0327

■ 97.4265, 83.1476,
185.9325

■ 0.1010, 0.0000,
4.0278

■ 124.6137,
108.1762, 229.1341

■ 0.0000, 0.0000,
1.6406

156.4394,

■ 0.0000, 0.0000,

137.7822, 278.5574

0.3196

193.2691,
172.3498, 334.6208

■ 0.0000, 0.0000,
0.0000

■ 18.2815, 13.2107,
48.6001

■ 18.2815, 13.2107,
48.6001

■ 15.3829, 9.8123,
48.0972

■ 21.8693, 17.5421,
49.2473

■ 13.1253, 7.2751,
47.7265

■ 26.1867, 22.8683,
50.0478

■ 11.4568, 5.5187,
47.4754

■ 31.2725, 29.2473,
51.0110

■ 10.3153, 4.4459,
47.3285

■ 37.1627, 36.7322,
52.1453

■ 9.8579, 4.0457,
47.2753

■ 43.8907, 45.3725,
53.4585

■ 51.4880, 55.2146,
54.9578

■ 59.9845, 66.3025,
56.6501

■ 69.4086, 78.6779,
58.5421

■ 79.7875, 92.3804,
60.6400

Harmonies

Analogous

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



13.1461, 13.2107, 58.9439



18.2815, 13.2107, 48.6001



22.5567, 13.2107, 29.2381

Triad

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



18.2815, 13.2107, 48.6001



17.0196, 13.2107, 1.4084



5.5099, 13.2107, 16.1123

Complementary

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



18.2815, 13.2107, 48.6001



34.9272, 44.1961, 15.2846

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.



6.0592, 13.2107, 5.6710



18.2815, 13.2107, 48.6001



11.9846, 13.2107, 0.9182

Square

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



18.2815, 13.2107, 48.6001



21.7093, 13.2107, 4.2589



8.1719, 13.2107, 1.7921



6.4236, 13.2107, 34.1083

Rectangle

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



18.2815, 13.2107, 48.6001



23.8896, 13.2107, 17.4379



8.1719, 13.2107, 1.7921



5.5310, 13.2107, 11.7096

Sweetspot

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



18.2821, 13.2111, 48.6004



64.6447, 63.3444, 93.0209



26.4619, 33.0106, 51.9910



13.7407, 13.3187, 20.3891



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.2821, 13.2111, 48.6004



26.8701, 16.7938, 86.0267



26.0064, 17.1932, 48.9619



9.2038, 9.3219, 11.9864



6.8432, 2.8139, 32.5754



0.3247, 0.1394, 1.2787

Inverse Universe

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



30.5338, 19.7788, 37.8055



51.3560, 29.9532, 62.9338



26.5598, 39.8825, 14.8930



9.8394, 9.6601, 11.5435



17.7582, 8.7344, 19.8181



0.7180, 0.3511, 0.8941

Previews

White Background



This preview shows how the XYZ color 18.2815, 13.2107, 48.6001 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 18.2815, 13.2107, 48.6001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

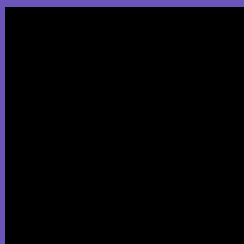
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2815, 13.2107, 48.6001

Background



This preview shows how black text looks on a background with the XYZ color 18.2815, 13.2107, 48.6001.

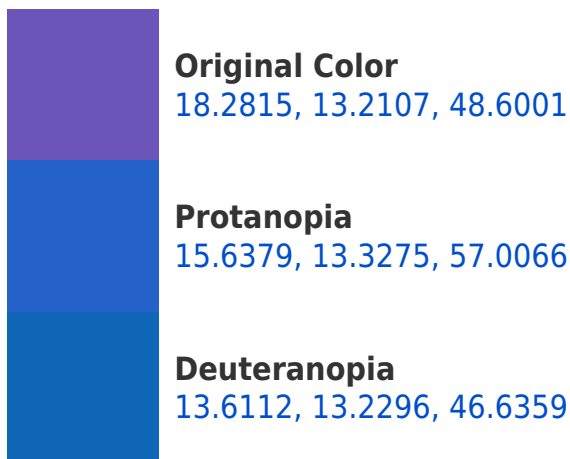


This preview shows how white text looks on a background with the XYZ color 18.2815, 13.2107,

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





Tritanopia

11.9948, 13.1943, 17.2438

Trichromacy



Original Color

18.2815, 13.2107, 48.6001

Protanomaly

15.8648, 12.8384, 53.8664

Deuteranomaly

14.1012, 12.4794, 47.0130

Tritanomaly

13.7588, 12.9003, 26.1909

Monochromacy



Original Color

18.2815, 13.2107, 48.6001

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.1949, 13.0300, 24.3212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2815, 13.2107, 48.6001 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(107, 85, 187)` looks like.

```
.text, #text, p{  
    color:rgb(107, 85, 187)  
}
```

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(107, 85, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 85, 187) }
```

Border

The CSS property to change the border of an element to XYZ 18.2815, 13.2107, 48.6001 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(107, 85, 187) }
```


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

```
.border{ border-color:rgb(107, 85, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 85, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 85, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 85, 187);  
box-shadow:4px 4px 4px 4px rgb(107, 85,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2815, 13.2107, 48.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 85, 187) }
```

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

```
.background{ background-color: rgb(107, 85,  
187) }
```

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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