

Converting Colors

XYZ(18.7381, 13.8347, 51.7993)

Have a look what the booklet for
XYZ(18.7381, 13.8347, 51.7993)
contains.

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Color

**XYZ(18.6803, 13.8341,
51.5549)**

Conversions

Conversions Part 1

Format	Color
Hex	6759C0
RGB	103, 89, 192
RGB Percent	40%, 35%, 75%
CMY	0.5961, 0.6510, 0.2471
CMYK	0.46, 0.54, 0.00, 0.25
HSL	248°, 45%, 55%
HSV	248°, 54%, 75%
XYZ	18.6803, 13.8341, 51.5549
YIQ	104.9280, -24.7190, 35.0010

Conversions

Conversions Part 2

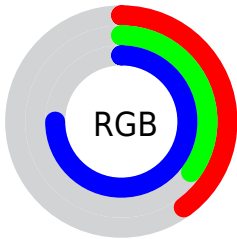
Format	Color
RYB	103, 89, 192
Decimal	6773184
CIELab	43.99, 32.11, -52.45
CIELCh	44, 61.494, 301.477
Yxy	13.8341, 0.2222, 0.1646
Android (android.graphics.Color)	4284963264 (0xFF6759C0)
YUV	104.9280, 42.9265, -1.6909
Hunter-Lab	37.1942, 24.5594, -56.1459

Details

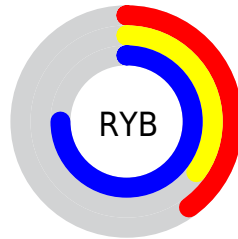
The XYZ color **18.6803, 13.8341, 51.5549** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **39.0127, 47.8856, 16.6382**, and the grayscale version is **13.3007, 13.9934, 15.2388**.

A 20% lighter version of the original color is **40.6296, 32.6757, 93.7882**, and **6.5335, 4.1206, 24.4958** is the 20% darker color. If you saturate the color by 10%, you get **15.5682, 10.1594, 51.0099**, and if you desaturate by 10%, it is **22.5878, 18.5375, 52.2571**.

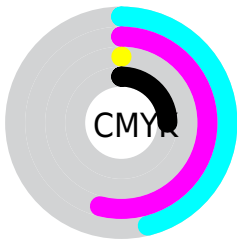
Distribution



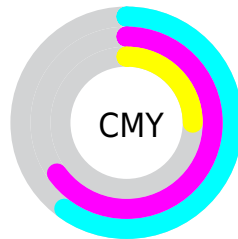
- Red (40%)
- Green (35%)
- Blue (75%)



- Red (40%)
- Yellow (35%)
- Blue (75%)



- Cyan (46%)
- Magenta (54%)
- Yellow (0%)
- Black (25%)



- Cyan (60%)
- Magenta (65%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6803, 13.8341, 51.5549 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 18.6803, 13.8341, 51.5549 by changing the saturation by 10% instead.

■ 18.6803, 13.8341,
51.5549

■ 18.6803, 13.8341,
51.5549

237.6502,
216.1963, 409.6238

■ 11.5421, 8.0054,
36.2706

■ 40.7142, 32.7944,
93.8944

■ 6.5027, 4.0984,
24.3519

■ 56.3407, 46.6947,
121.7866

■ 3.1966, 1.7287,
15.3803

■ 75.5274, 64.0544,
154.7186

■ 1.2586, 0.4422,
8.9371

■ 98.6395, 85.2577,
193.1089

■ 0.1519, 0.0000,
4.6039

■ 126.0425,
110.6892, 237.3761

■ 0.0000, 0.0000,
1.9622

158.1017,

■ 0.0000, 0.0000,

140.7332, 287.9386

0.5319

195.1825,
175.7741, 345.2150

■ 0.0000, 0.0000,
0.0000

■ 18.6803, 13.8341,
51.5549

■ 18.6803, 13.8341,
51.5549

■ 15.5682, 10.1594,
51.0099

■ 22.5878, 18.5375,
52.2571

■ 13.1941, 7.4343,
50.6091

■ 27.3390, 24.3381,
53.1263

■ 11.4955, 5.5701,
50.3388

■ 32.9805, 31.2998,
54.1727

■ 10.3986, 4.4604,
50.1824

■ 39.5549, 39.4814,
55.4054

■ 9.9431, 4.0267,
50.1227

■ 47.1021, 48.9376,
56.8329

■ 55.6597, 59.7199,
58.4630

■ 65.2631, 71.8768,
60.3034

■ 75.9462, 85.4544,
62.3611

■ 85.5327, 96.0797,
63.9067

Harmonies

Analogous

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



13.3921, 13.8341, 61.0415



18.6803, 13.8341, 51.5549



23.2328, 13.8341, 31.8777

Triad

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



18.6803, 13.8341, 51.5549



18.1561, 13.8341, 1.6416



5.8241, 13.8341, 15.7660

Complementary

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



18.6803, 13.8341, 51.5549



39.0127, 47.8856, 16.6382

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.



6.5091, 13.8341, 5.5318



18.6803, 13.8341, 51.5549



12.9086, 13.8341, 1.0058

Square

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



18.6803, 13.8341, 51.5549



22.8812, 13.8341, 4.9393



8.8339, 13.8341, 1.8047



6.6616, 13.8341, 33.8957

Rectangle

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



18.6803, 13.8341, 51.5549



24.7785, 13.8341, 19.4057



8.8339, 13.8341, 1.8047



5.8827, 13.8341, 11.4219

Sweetspot

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



18.6809, 13.8346, 51.5553



68.3932, 67.4479, 99.7743



29.6081, 37.8770, 55.6200



14.1323, 13.7968, 21.3035



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.6809, 13.8346, 51.5553



27.5376, 17.6276, 92.3114



26.4580, 17.8438, 51.9192



9.6528, 9.8122, 12.6700



6.7295, 2.7296, 33.7288



0.3330, 0.1397, 1.4593

Inverse Universe

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



33.3466, 21.5658, 44.5237



57.0671, 33.2220, 76.9182



29.3708, 42.9150, 16.1869



10.4365, 10.2232, 12.3891



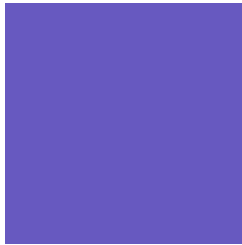
19.2739, 9.3993, 25.1519



0.8494, 0.4128, 1.1743

Previews

White Background



This preview shows how the XYZ color 18.6803, 13.8341, 51.5549 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 18.6803, 13.8341, 51.5549 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 18.6803, 13.8341, 51.5549

Background



This preview shows how black text looks on a background with the XYZ color 18.6803, 13.8341, 51.5549.



This preview shows how white text looks on a background with the XYZ color 18.6803, 13.8341,

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

18.6803, 13.8341, 51.5549

Protanopia

16.2930, 13.9053, 58.9520

Deuteranopia

14.1237, 13.8959, 48.9515



Tritanopia

12.0531, 13.8033, 18.8587

Trichromacy



Original Color

18.6803, 13.8341, 51.5549

Protanomaly

16.5948, 13.5600, 56.3863

Deuteranomaly

14.5054, 13.1818, 49.9239

Tritanomaly

13.9042, 13.4946, 28.2575

Monochromacy



Original Color

18.6803, 13.8341, 51.5549

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.6861, 13.6729, 25.5320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6803, 13.8341, 51.5549 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(103, 89, 192)` looks like.

```
.text, #text, p{  
    color:rgb(103, 89, 192)  
}
```

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(103, 89, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 89, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.6803, 13.8341, 51.5549 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(103, 89, 192) }
```


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

```
.border{ border-color:rgb(103, 89, 192) }
```

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

Here you see how a box with a 4 pixel rgb(103, 89, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 89, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 89, 192);  
box-shadow:4px 4px 4px 4px rgb(103, 89,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6803, 13.8341, 51.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 89, 192) }
```

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

```
.background{ background-color: rgb(103, 89,  
192) }
```

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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