

Converting Colors

XYZ(18.8247, 13.5757, 61.2998)

Have a look what the booklet for
XYZ(18.8247, 13.5757, 61.2998)
contains.

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Color

**XYZ(18.8054, 13.5598,
61.3007)**

Conversions

Conversions Part 1

Format	Color
Hex	5758D0
RGB	87, 88, 208
RGB Percent	34%, 35%, 82%
CMY	0.6588, 0.6549, 0.1843
CMYK	0.58, 0.58, 0.00, 0.18
HSL	240°, 56%, 58%
HSV	240°, 58%, 82%
XYZ	18.8054, 13.5598, 61.3007
YIQ	101.3810, -39.1160, 37.1080

Conversions

Conversions Part 2

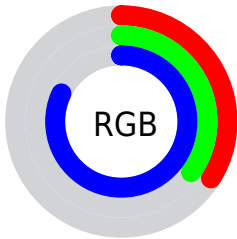
Format	Color
R_{YB}	87, 88, 208
Decimal	5724368
CIE _{Lab}	43.59, 34.48, -62.40
CIE _{LCh}	44, 71.287, 298.924
Yxy	13.5598, 0.2008, 0.1448
Android (android.graphics.Color)	4283914448 (0xFF5758D0)
YUV	101.3810, 52.5632, -12.6121
Hunter-Lab	36.8236, 26.7165, -72.9242

Details

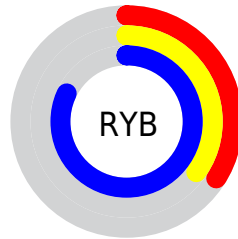
The XYZ color **18.8054, 13.5598, 61.3007** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **50.0474, 58.7267, 17.7157**, and the grayscale version is **12.3443, 12.9871, 14.1430**.

A 20% lighter version of the original color is **39.1711, 31.6000, 98.6426**, and **6.5903, 3.9623, 30.5544** is the 20% darker color. If you saturate the color by 10%, you get **15.6752, 9.7782, 60.7361**, and if you desaturate by 10%, it is **22.9753, 18.5886, 62.0519**.

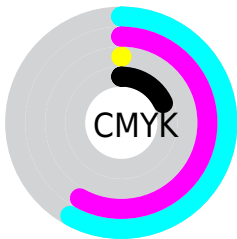
Distribution



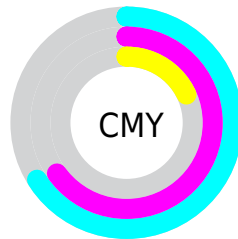
- Red (34%)
- Green (35%)
- Blue (82%)



- Red (34%)
- Yellow (35%)
- Blue (82%)



- Cyan (58%)
- Magenta (58%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (65%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8054, 13.5598, 61.3007 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 18.8054, 13.5598, 61.3007 by changing the saturation by 10% instead.

■ 18.8054, 13.5598,
61.3007

■ 18.8054, 13.5598,
61.3007

238.3311,
214.4749, 447.3127

■ 11.6329, 7.8151,
44.0358

■ 40.9244, 32.3059,
108.2760

■ 6.5647, 3.9769,
30.3612

■ 56.6017, 46.0761,
138.8234

■ 3.2353, 1.6606,
19.8586

■ 75.8446, 63.2903,
174.6354

■ 1.2794, 0.3980,
12.1092

■ 99.0185, 84.3329,
216.1305

■ 0.1677, 0.0000,
6.6947

■ 126.4887,
109.5883, 263.7272

■ 0.0000, 0.0000,
3.1963

158.6207,

■ 0.0000, 0.0000,

139.4408, 317.8441

1.1957

195.7797,
174.2748, 378.8998

■ 0.0000, 0.0000,
0.0000

■ 18.8054, 13.5598,
61.3007

■ 18.8054, 13.5598,
61.3007

■ 15.6752, 9.7782,
60.7361

■ 22.9753, 18.5886,
62.0519

■ 13.4916, 7.1337,
60.3407

■ 28.2632, 24.9592,
63.0029

■ 12.1484, 5.4996,
60.0961

■ 34.7424, 32.7589,
64.1668

■ 11.4924, 4.6977,
59.9759

■ 42.4793, 42.0668,
65.5557

■ 11.4038, 4.5912,
59.9600

■ 51.5354, 52.9566,
67.1803

■ 61.9682, 65.4970,
69.0510

■ 73.8317, 79.7526,
71.1773

■ 87.1772, 95.7847,
73.5684

■ 88.3852, 97.3341,
73.8038

Harmonies

Analogous

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



12.6877, 13.5598, 71.7298



18.8054, 13.5598, 61.3007



24.4357, 13.5598, 36.9853

Triad

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



18.8054, 13.5598, 61.3007



19.2581, 13.5598, 0.9865



4.8614, 13.5598, 14.1945

Complementary

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



18.8054, 13.5598, 61.3007



50.0474, 58.7267, 17.7157

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.



5.7094, 13.5598, 3.9045



18.8054, 13.5598, 61.3007



13.0908, 13.5598, 0.2719

Square

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



18.8054, 13.5598, 61.3007



24.7458, 13.5598, 4.3312



8.3640, 13.5598, 0.8927



5.5931, 13.5598, 35.1716

Rectangle

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



18.8054, 13.5598, 61.3007



26.5466, 13.5598, 21.4900



8.3640, 13.5598, 0.8927



4.9655, 13.5598, 9.6125

Sweetspot

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



18.8061, 13.5602, 61.3011



68.6457, 68.2552, 104.1643



37.6257, 51.5940, 66.3579



14.1149, 13.9142, 22.1917



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.8061, 13.5602, 61.3011



23.7924, 14.2212, 96.0987



26.5569, 17.4355, 61.6406



11.1714, 11.4330, 14.8617



7.1109, 2.8684, 37.3714



0.4004, 0.1660, 2.0905

Inverse Universe

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



31.1828, 20.9319, 11.6294



45.2330, 27.0476, 10.0383



36.7661, 52.2388, 17.1635



11.8126, 11.8098, 12.2892



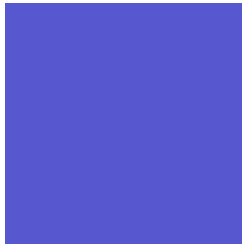
16.2200, 8.3608, 0.7986



0.9083, 0.4680, 0.0521

Previews

White Background



This preview shows how the XYZ color 18.8054, 13.5598, 61.3007 looks on a white background.

Color Contrast Check

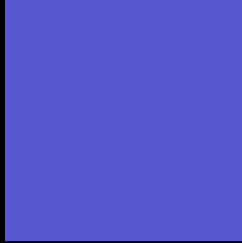
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8054, 13.5598, 61.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

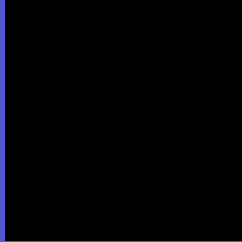
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8054, 13.5598, 61.3007

Background



This preview shows how black text looks on a background with the XYZ color 18.8054, 13.5598, 61.3007.



This preview shows how white text looks on a background with the XYZ color 18.8054, 13.5598,

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

18.8054, 13.5598, 61.3007

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.4951, 13.4805, 46.1467



Tritanopia

10.4398, 13.4288, 19.8111

Trichromacy



Original Color

18.8054, 13.5598, 61.3007

Protanomaly

16.1965, 13.0949, 61.9955

Deuteranomaly

14.4615, 12.9923, 51.0358

Tritanomaly

12.6321, 13.0575, 31.5603

Monochromacy



Original Color

18.8054, 13.5598, 61.3007

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7404, 12.7460, 26.5470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8054, 13.5598, 61.3007 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(87, 88, 208)` looks like.

```
.text, #text, p{  
    color:rgb(87, 88, 208)  
}
```

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(87, 88, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 88, 208) }
```

Border

The CSS property to change the border of an element to XYZ 18.8054, 13.5598, 61.3007 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(87, 88, 208) }
```


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

```
.border{ border-color:rgb(87, 88, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 88, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 88, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 88, 208);  
box-shadow:4px 4px 4px 4px rgb(87, 88,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8054, 13.5598, 61.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 88, 208) }
```

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

```
.background{ background-color: rgb(87, 88,  
208) }
```

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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