

Converting Colors

XYZ(18.7605, 17.6110, 59.5380)

Have a look what the booklet for
XYZ(18.7605, 17.6110, 59.5380)
contains.

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Color

**XYZ(18.8318, 17.7203,
59.5546)**

Conversions

Conversions Part 1

Format	Color
Hex	3974CC
RGB	57, 116, 204
RGB Percent	22%, 45%, 80%
CMY	0.7764, 0.5451, 0.2000
CMYK	0.72, 0.43, 0.00, 0.20
HSL	216°, 59%, 51%
HSV	216°, 72%, 80%
XYZ	18.8318, 17.7203, 59.5546
YIQ	108.3910, -63.4120, 14.8600

Conversions

Conversions Part 2

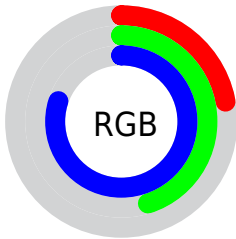
Format	Color
RYB	57, 99, 204
Decimal	3765452
CIELab	49.16, 10.65, -51.23
CIELCh	49, 52.320, 281.742
Yxy	17.7203, 0.1959, 0.1844
Android (android.graphics.Color)	4281955532 (0xFF3974CC)
YUV	108.3910, 47.1352, -45.0699
Hunter-Lab	42.0955, 6.1865, -54.4137

Details

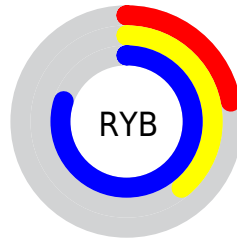
The XYZ color **18.8318, 17.7203, 59.5546** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **35.7675, 33.3864, 8.4311**, and the grayscale version is **14.2490, 14.9911, 16.3253**.

A 20% lighter version of the original color is **39.7539, 38.9224, 100.0253**, and **7.5529, 6.4262, 29.2761** is the 20% darker color. If you saturate the color by 10%, you get **16.5772, 14.6038, 59.0723**, and if you desaturate by 10%, it is **21.7400, 21.4488, 60.1214**.

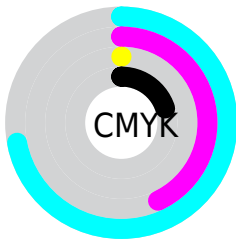
Distribution



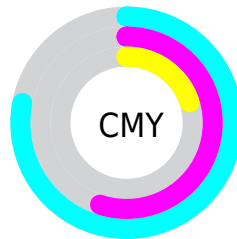
- Red (22%)
- Green (45%)
- Blue (80%)



- Red (22%)
- Yellow (39%)
- Blue (80%)



- Cyan (72%)
- Magenta (43%)
- Yellow (0%)
- Black (20%)



- Cyan (78%)
- Magenta (55%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8318, 17.7203, 59.5546 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 18.8318, 17.7203, 59.5546 by changing the saturation by 10% instead.

■ 18.8318, 17.7203,
59.5546

■ 18.8318, 17.7203,
59.5546

238.4746,
239.2898, 440.7131

■ 11.6521, 10.7494,
42.6368

■ 40.9688, 39.5601,
105.7203

■ 6.5777, 5.8986,
29.2709

■ 56.6567, 55.1978,
135.8053

■ 3.2434, 2.7835,
19.0385

■ 75.9115, 74.4933,
171.1164

■ 1.2838, 1.0198,
11.5210

■ 99.0984, 97.8308,
212.0722

■ 0.1710, 0.0000,
6.2999

■ 126.5828,
125.5948, 259.0913

■ 0.0000, 0.0000,
2.9566

158.7301,

■ 0.0000, 0.0000,

158.1697, 312.5921

1.0725

195.9055,
195.9399, 372.9931

■ 0.0000, 0.0000,
0.0000

■ 18.8318, 17.7203,
59.5546

■ 18.8318, 17.7203,
59.5546

■ 16.5772, 14.6038,
59.0723

■ 21.7400, 21.4488,
60.1214

■ 14.9069, 12.0526,
58.6679

■ 25.3562, 25.8269,
60.7759

■ 13.9068, 10.3749,
58.3968

■ 29.7312, 30.8906,
61.5227

■ 34.9101, 36.6723,
62.3657

■ 40.9342, 43.2018,
63.3085

■ 47.8419, 50.5074,
64.3546

■ 55.6691, 58.6156,
65.5071

■ 64.4497, 67.5517,
66.7691

■ 74.2156, 77.3396,
68.1436

Harmonies

Analogous

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



14.0623, 17.7203, 57.8891



18.8318, 17.7203, 59.5546



23.9192, 17.7203, 47.2100

Triad

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



18.8318, 17.7203, 59.5546



24.8879, 17.7203, 6.3361



9.3915, 17.7203, 12.0208

Complementary

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



18.8318, 17.7203, 59.5546



35.7675, 33.3864, 8.4311

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.



11.3207, 17.7203, 5.3597



18.8318, 17.7203, 59.5546



19.9672, 17.7203, 3.3469

Square

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



18.8318, 17.7203, 59.5546



27.8421, 17.7203, 14.3117



14.9987, 17.7203, 3.1062



9.2052, 17.7203, 25.3171

Rectangle

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



18.8318, 17.7203, 59.5546



26.5691, 17.7203, 35.0792



14.9987, 17.7203, 3.1062



9.8374, 17.7203, 9.1384

Sweetspot

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



18.8326, 17.7208, 59.5551



67.5427, 71.2806, 104.8064



28.2202, 46.0319, 33.2868



13.8417, 14.5959, 22.3377



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.



18.8326, 17.7208, 59.5551



25.9387, 21.9328, 97.4741



14.8353, 8.5615, 57.9978



10.9651, 11.5707, 14.2258



8.8388, 6.7015, 36.7839



0.5297, 0.4932, 1.9222

Inverse Universe

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



29.5181, 17.0256, 18.2539



45.4817, 23.9516, 21.1993



44.0071, 54.6556, 12.1022



11.3958, 11.2870, 12.6187



16.6723, 8.4795, 5.9931



0.8973, 0.4523, 0.5052

Previews

White Background



This preview shows how the XYZ color 18.8318, 17.7203, 59.5546 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 18.8318, 17.7203, 59.5546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

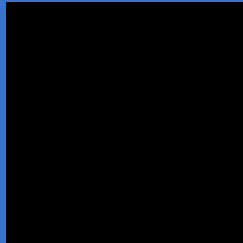
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8318, 17.7203, 59.5546

Background



This preview shows how black text looks on a background with the XYZ color 18.8318, 17.7203, 59.5546.



This preview shows how white text looks on a background with the XYZ color 18.8318, 17.7203,

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

18.8318, 17.7203, 59.5546

Protanopia

19.5083, 17.6051, 57.6283

Deuteranopia

18.3324, 17.8087, 59.5980



Tritanopia

12.5105, 17.5646, 27.1570

Trichromacy



Original Color

18.8318, 17.7203, 59.5546

Protanomaly

19.2038, 17.6010, 58.2623

Deuteranomaly

18.4327, 17.6866, 59.5691

Tritanomaly

14.1278, 17.2191, 37.2293

Monochromacy



Original Color

18.8318, 17.7203, 59.5546

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7622, 15.4759, 28.1957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8318, 17.7203, 59.5546 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(57, 116, 204)` looks like.

```
.text, #text, p{  
    color:rgb(57, 116, 204)  
}
```

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(57, 116, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 116, 204) }
```

Border

The CSS property to change the border of an element to XYZ 18.8318, 17.7203, 59.5546 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(57, 116, 204) }
```


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

```
.border{ border-color:rgb(57, 116, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 116, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 116, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 116, 204);  
box-shadow:4px 4px 4px 4px rgb(57, 116,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8318, 17.7203, 59.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 116, 204) }
```

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

```
.background{ background-color: rgb(57, 116,  
204) }
```

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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