

Converting Colors

XYZ(19.2676, 18.3998, 64.5931)

Have a look what the booklet for
XYZ(19.2676, 18.3998, 64.5931)
contains.

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Color

**XYZ(19.2798, 18.3592,
64.8149)**

Conversions

Conversions Part 1

Format	Color
Hex	2677D4
RGB	38, 119, 212
RGB Percent	15%, 47%, 83%
CMY	0.8509, 0.5333, 0.1686
CMYK	0.82, 0.44, 0.00, 0.17
HSL	212°, 70%, 49%
HSV	212°, 82%, 83%
XYZ	19.2798, 18.3592, 64.8149
YIQ	105.3830, -78.1290, 11.7510

Conversions

Conversions Part 2

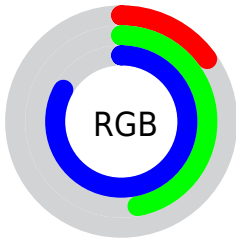
Format	Color
R _Y B	38, 93, 212
Decimal	2521044
CIE Lab	49.93, 9.61, -54.57
CIE LCh	50, 55.411, 279.983
Yxy	18.3592, 0.1882, 0.1792
Android (android.graphics.Color)	4280711124 (0xFF2677D4)
YUV	105.3830, 52.5622, -59.0949
Hunter-Lab	42.8476, 5.3348, -59.6936

Details

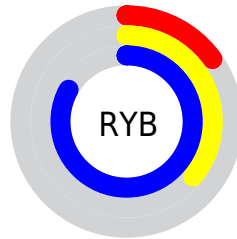
The XYZ color **19.2798, 18.3592, 64.8149** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.6201, 30.3740, 5.8204**, and the grayscale version is **13.4096, 14.1079, 15.3635**.

A 20% lighter version of the original color is **39.2950, 39.7906, 100.2170**, and **8.4032, 7.0691, 32.8199** is the 20% darker color. If you saturate the color by 10%, you get **17.4393, 15.5264, 64.3655**, and if you desaturate by 10%, it is **21.7272, 21.7439, 65.3397**.

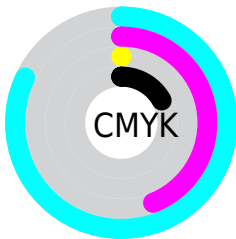
Distribution



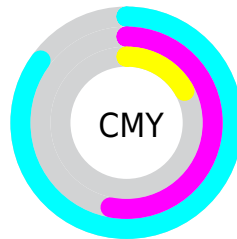
- Red (15%)
- Green (47%)
- Blue (83%)



- Red (15%)
- Yellow (36%)
- Blue (83%)



- Cyan (82%)
- Magenta (44%)
- Yellow (0%)
- Black (17%)



- Cyan (85%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2798, 18.3592, 64.8149 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 19.2798, 18.3592, 64.8149 by changing the saturation by 10% instead.

■ 19.2798, 18.3592,
64.8149

■ 19.2798, 18.3592,
64.8149

240.8977,
242.8880, 460.4145

■ 11.9778, 11.2082,
46.8606

■ 41.7196, 40.6484,
113.3944

■ 6.8007, 6.2070,
32.5719

■ 57.5881, 56.5555,
144.8567

■ 3.3830, 2.9714,
21.5303

■ 77.0429, 76.1499,
181.6588

■ 1.3594, 1.1168,
13.3172

■ 100.4492, 99.8163,
224.2192

■ 0.2270, 0.0000,
7.5140

■ 128.1725,
127.9388, 272.9564

■ 0.0000, 0.0000,
3.7023

160.5781,

■ 0.0000, 0.0000,

160.9020, 328.2890

1.4635

198.0314,
199.0903, 390.6355

■ 0.0000, 0.0000,
0.1905

■ 0.0000, 0.0000,
0.0000

■ 19.2798, 18.3592,
64.8149

■ 19.2798, 18.3592,
64.8149

■ 17.4393, 15.5264,
64.3655

■ 21.7272, 21.7439,
65.3397

■ 16.3154, 13.6167,
64.0562

■ 24.8505, 25.7236,
65.9432

■ 28.7106, 30.3374,
66.6303

■ 33.3603, 35.6197,
67.4048

■ 38.8471, 41.6022,
68.2704

■ 45.2147, 48.3137,
69.2302

■ 52.5032, 55.7818,
70.2875

■ 60.7505, 64.0319,
71.4453

■ 69.9919, 73.0885,
72.7063

Harmonies

Analogous

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



14.1838, 18.3592, 61.9587



19.2798, 18.3592, 64.8149



24.8648, 18.3592, 51.7982

Triad

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



19.2798, 18.3592, 64.8149



26.4980, 18.3592, 6.4753



9.5089, 18.3592, 11.5602

Complementary

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



19.2798, 18.3592, 64.8149



35.6201, 30.3740, 5.8204

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.



11.6785, 18.3592, 4.9152



19.2798, 18.3592, 64.8149



21.1823, 18.3592, 3.1825

Square

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



19.2798, 18.3592, 64.8149



29.5569, 18.3592, 15.3386



15.7396, 18.3592, 2.8094



9.2039, 18.3592, 25.4979

Rectangle

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



19.2798, 18.3592, 64.8149



27.8644, 18.3592, 38.4707



15.7396, 18.3592, 2.8094



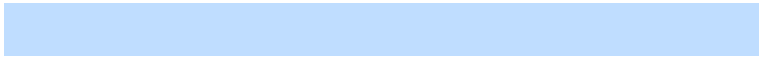
10.0197, 18.3592, 8.6421

Sweetspot

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



19.2806, 18.3597, 64.8154



65.4351, 70.0015, 104.6706



28.4273, 49.1332, 29.3898



13.2707, 14.2083, 22.2930



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.



19.2806, 18.3597, 64.8154



25.0025, 21.0303, 97.3492



13.6082, 6.6721, 62.8584



12.2143, 12.9520, 15.7937



10.1705, 8.6027, 39.5776



0.6958, 0.6836, 2.4146

Inverse Universe

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



31.1750, 16.7163, 19.0365



44.7725, 22.7616, 20.2586



49.4033, 60.3780, 10.8853



12.6614, 12.5160, 14.1570



18.1924, 9.2133, 8.3174



1.1389, 0.5723, 0.7206

Previews

White Background



This preview shows how the XYZ color 19.2798, 18.3592, 64.8149 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 19.2798, 18.3592, 64.8149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

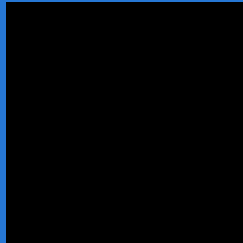
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2798, 18.3592, 64.8149

Background



This preview shows how black text looks on a background with the XYZ color 19.2798, 18.3592, 64.8149.



This preview shows how white text looks on a background with the XYZ color 19.2798, 18.3592,

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

19.2798, 18.3592, 64.8149

Protanopia

20.4176, 18.3114, 62.1328

Deuteranopia

18.9310, 18.3570, 64.8328



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

19.2798, 18.3592, 64.8149

Protanomaly

19.7406, 18.1184, 62.7784

Deuteranomaly

19.0790, 18.4333, 64.8398

Tritanomaly

14.6534, 18.0253, 38.7833

Monochromacy



Original Color

19.2798, 18.3592, 64.8149

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0033, 14.9148, 28.5263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2798, 18.3592, 64.8149 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(38, 119, 212)` looks like.

```
.text, #text, p{  
    color:rgb(38, 119, 212)  
}
```

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(38, 119, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 119, 212) }
```

Border

The CSS property to change the border of an element to XYZ 19.2798, 18.3592, 64.8149 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(38, 119, 212) }
```


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

```
.border{ border-color:rgb(38, 119, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 119, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 119, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 119, 212);  
box-shadow:4px 4px 4px 4px rgb(38, 119,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2798, 18.3592, 64.8149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 119, 212) }
```

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

```
.background{ background-color: rgb(38, 119,  
212) }
```

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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