

Converting Colors

XYZ(18.0944, 18.5596, 59.1844)

Have a look what the booklet for
XYZ(18.0944, 18.5596, 59.1844)
contains.

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Color

**XYZ(18.1119, 18.6063,
59.1367)**

Conversions

Conversions Part 1

Format	Color
Hex	127BCB
RGB	18, 123, 203
RGB Percent	7%, 48%, 80%
CMY	0.9293, 0.5176, 0.2039
CMYK	0.91, 0.39, 0.00, 0.20
HSL	206°, 84%, 43%
HSV	206°, 91%, 80%
XYZ	18.1119, 18.6063, 59.1367
YIQ	100.7250, -88.2600, 2.6200

Conversions

Conversions Part 2

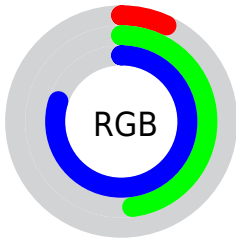
Format	Color
RYB	18, 85, 203
Decimal	1211339
CIELab	50.22, 2.28, -49.00
CIELCh	50, 49.053, 272.664
Yxy	18.6063, 0.1890, 0.1941
Android (android.graphics.Color)	4279401419 (0xFF127BCB)
YUV	100.7250, 50.4216, -72.5498
Hunter-Lab	43.1350, -0.5362, -51.0901

Details

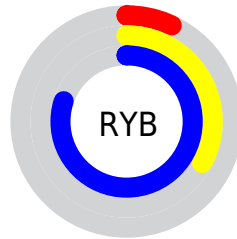
The XYZ color **18.1119, 18.6063, 59.1367** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.1087, 21.4814, 3.1857**, and the grayscale version is **12.1921, 12.8270, 13.9686**.

A 20% lighter version of the original color is **38.8595, 40.7047, 100.4164**, and **7.8614, 7.1703, 28.9866** is the 20% darker color. If you saturate the color by 10%, you get **16.9335, 16.6196, 58.8158**, and if you desaturate by 10%, it is **19.8127, 21.1733, 59.5430**.

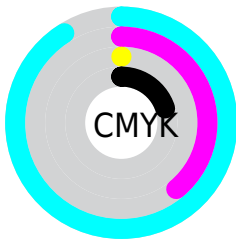
Distribution



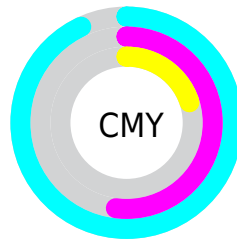
- Red (7%)
- Green (48%)
- Blue (80%)



- Red (7%)
- Yellow (33%)
- Blue (80%)



- Cyan (91%)
- Magenta (39%)
- Yellow (0%)
- Black (20%)



- Cyan (93%)
- Magenta (52%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1119, 18.6063, 59.1367 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 18.1119, 18.6063, 59.1367 by changing the saturation by 10% instead.

■ 18.1119, 18.6063,
59.1367

■ 18.1119, 18.6063,
59.1367

234.5344,
244.2666, 439.1243

■ 11.1305, 11.3861,
42.3024

■ 39.7565, 41.0678,
105.1074

■ 6.2226, 6.3272,
29.0108

■ 55.1504, 57.0779,
135.0809

■ 3.0229, 3.0450,
18.8434

■ 74.0793, 76.7868,
170.2712

■ 1.1659, 1.1553,
11.3815

■ 96.9084, 100.5788,
211.0970

■ 0.0792, 0.0247,
6.2067

■ 124.0031,
128.8384, 257.9766

■ 0.0000, 0.0000,
2.9003

155.7287,

■ 0.0000, 0.0000,

161.9500, 311.3286

1.0440

192.4507,
200.2979, 371.5717

■ 0.0000, 0.0000,
0.0000

■ 18.1119, 18.6063,
59.1367

■ 18.1119, 18.6063,
59.1367

■ 16.9335, 16.6196,
58.8158

■ 19.8127, 21.1733,
59.5430

■ 22.0216, 24.1508,
60.0013

■ 24.7996, 27.5739,
60.5156

■ 28.1978, 31.4722,
61.0889

■ 32.2608, 35.8722,
61.7240

■ 37.0289, 40.7978,
62.4235

■ 42.5390, 46.2711,
63.1895

■ 48.8253, 52.3127,
64.0243

■ 55.9197, 58.9421,
64.9300

Harmonies

Analogous

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



13.8197, 18.6063, 53.4327



18.1119, 18.6063, 59.1367



23.0759, 18.6063, 51.1492

Triad

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



18.1119, 18.6063, 59.1367



26.5240, 18.6063, 9.1817



10.7591, 18.6063, 10.4787

Complementary

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



18.1119, 18.6063, 59.1367



29.1087, 21.4814, 3.1857

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.



13.2063, 18.6063, 5.2692



18.1119, 18.6063, 59.1367



22.2105, 18.6063, 4.7900

Square

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



18.1119, 18.6063, 59.1367



28.4449, 18.6063, 19.0695



17.2643, 18.6063, 3.7686



10.0513, 18.6063, 21.4972

Rectangle

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



18.1119, 18.6063, 59.1367



25.9694, 18.6063, 40.5796



17.2643, 18.6063, 3.7686



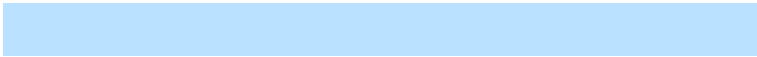
11.3810, 18.6063, 8.1909

Sweetspot

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



18.1127, 18.6069, 59.1372



65.3215, 71.6486, 104.9945



23.6763, 43.6692, 18.0318



13.3262, 14.6776, 22.3806



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.



18.1127, 18.6069, 59.1372



28.1315, 27.3830, 98.4105



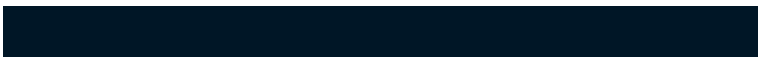
11.5859, 5.5533, 56.9616



11.1212, 11.8829, 14.2778



10.8683, 10.7606, 37.4605



0.6352, 0.7042, 1.9574

Inverse Universe

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



28.4208, 14.5603, 20.0517



46.3287, 23.2955, 28.7266



42.6332, 48.5304, 7.6939



11.4746, 11.3186, 13.0336



17.6967, 8.8893, 11.3876



0.9506, 0.4736, 0.7856

Previews

White Background



This preview shows how the XYZ color 18.1119, 18.6063, 59.1367 looks on a white 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

Black Background



This preview shows how the XYZ color 18.1119, 18.6063, 59.1367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

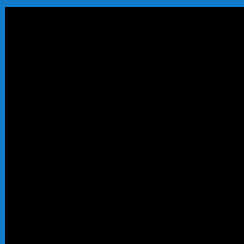
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1119, 18.6063, 59.1367

Background



This preview shows how black text looks on a background with the XYZ color 18.1119, 18.6063, 59.1367.



This preview shows how white text looks on a background with the XYZ color 18.1119, 18.6063,

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

18.1119, 18.6063, 59.1367

Protanopia

20.1612, 18.5004, 55.3317

Deuteranopia

19.1911, 18.6048, 59.7063



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

18.1119, 18.6063, 59.1367

Protanomaly

18.8301, 18.3093, 56.5744

Deuteranomaly

18.6913, 18.5266, 59.7176

Tritanomaly

14.6387, 18.4260, 37.9070

Monochromacy



Original Color

18.1119, 18.6063, 59.1367

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6546, 14.1118, 26.1016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1119, 18.6063, 59.1367 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(18, 123, 203)` looks like.

```
.text, #text, p{  
  color:rgb(18, 123, 203)  
}
```

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(18, 123, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 123, 203) }
```

Border

The CSS property to change the border of an element to XYZ 18.1119, 18.6063, 59.1367 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(18, 123, 203) }
```


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

```
.border{ border-color:rgb(18, 123, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 123, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 123, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 123, 203);  
box-shadow:4px 4px 4px 4px rgb(18, 123,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1119, 18.6063, 59.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 123, 203) }
```

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

```
.background{ background-color: rgb(18, 123,  
203) }
```

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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