

Converting Colors

XYZ(15.0564, 18.4196, 39.9546)

Have a look what the booklet for
XYZ(15.0564, 18.4196, 39.9546)
contains.

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Color

**XYZ(15.0182, 18.3847,
39.8028)**

Conversions

Conversions Part 1

Format	Color
Hex	1180A8
RGB	17, 128, 168
RGB Percent	7%, 50%, 66%
CMY	0.9333, 0.4980, 0.3412
CMYK	0.90, 0.24, 0.00, 0.34
HSL	196°, 82%, 36%
HSV	196°, 90%, 66%
XYZ	15.0182, 18.3847, 39.8028
YIQ	99.3710, -78.9960, -11.0920

Conversions

Conversions Part 2

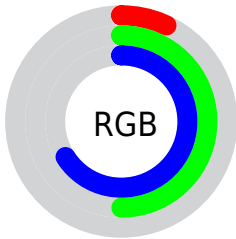
Format	Color
R_{YB}	17, 81, 168
Decimal	1147048
CIE _{Lab}	49.96, -14.00, -29.28
CIE _{LCh}	50, 32.454, 244.451
Yxy	18.3847, 0.2052, 0.2511
Android (android.graphics.Color)	4279337128 (0xFF1180A8)
YUV	99.3710, 33.8341, -72.2394
Hunter-Lab	42.8774, -12.5141, -25.0244

Details

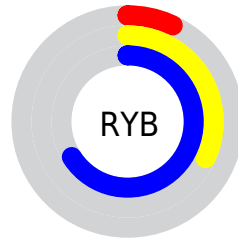
The XYZ color **15.0182, 18.3847, 39.8028** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.7139, 11.2934, 1.7773**, and the grayscale version is **11.8864, 12.5055, 13.6185**.

A 20% lighter version of the original color is **34.4592, 40.7551, 75.8624**, and **5.9484, 6.8529, 17.5322** is the 20% darker color. If you saturate the color by 10%, you get **14.2222, 17.1316, 39.6033**, and if you desaturate by 10%, it is **16.0344, 19.7897, 40.0208**.

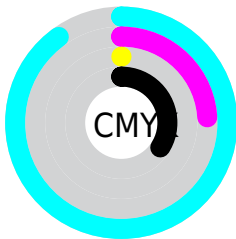
Distribution



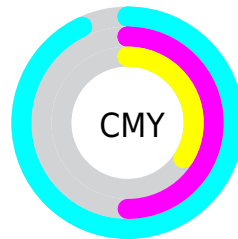
- Red (7%)
- Green (50%)
- Blue (66%)



- Red (7%)
- Yellow (32%)
- Blue (66%)



- Cyan (90%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (93%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0182, 18.3847, 39.8028 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 15.0182, 18.3847, 39.8028 by changing the saturation by 10% instead.

■ 15.0182, 18.3847,
39.8028

■ 15.0182, 18.3847,
39.8028

■ 216.8625,
243.0306, 360.8191

■ 8.9186, 11.2265,
27.0722

■ 34.4565, 40.6918,
76.0969

■ 4.7448, 6.2194,
17.3945

■ 48.5259, 56.6094,
100.4975

■ 2.1315, 2.9790,
10.3513

■ 65.9825, 76.2158,
129.6253

■ 0.7063, 1.1208,
5.5238

■ 87.1918, 99.8951,
163.8986

■ 0.0000, 0.0000,
2.4937

■ 112.5191,
128.0318, 203.7361

■ 0.0000, 0.0000,
0.8368

■ 142.3298,

■ 0.0000, 0.0000,

161.0104, 249.5563

0.0000

176.9891,
199.2152, 301.7778

■ 15.0182, 18.3847,
39.8028

■ 15.0182, 18.3847,
39.8028

■ 14.2222, 17.1316,
39.6033

■ 16.0344, 19.7897,
40.0208

■ 14.2122, 17.1158,
39.6007

■ 17.3460, 21.3850,
40.2596

■ 18.9887, 23.1897,
40.5214

■ 20.9925, 25.2197,
40.8076

■ 23.3841, 27.4893,
41.1196

■ 26.1871, 30.0111,
41.4586

■ 29.4236, 32.7968,
41.8258

■ 33.1137, 35.8574,
42.2220

■ 37.2765, 39.2030,
42.6484

Harmonies

Analogous

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



12.9894, 18.3847, 31.3621



15.0182, 18.3847, 39.8028



17.9426, 18.3847, 42.4267

Triad

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



15.0182, 18.3847, 39.8028



24.1449, 18.3847, 18.7171



14.3028, 18.3847, 8.9504

Complementary

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



15.0182, 18.3847, 39.8028



17.7139, 11.2934, 1.7773

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.



17.0138, 18.3847, 7.3318



15.0182, 18.3847, 39.8028



22.8878, 18.3847, 11.8038

Square

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



15.0182, 18.3847, 39.8028



23.4482, 18.3847, 28.3563



20.1841, 18.3847, 8.1951



12.6121, 18.3847, 13.4988

Rectangle

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



15.0182, 18.3847, 39.8028



20.0699, 18.3847, 40.0228



20.1841, 18.3847, 8.1951



15.1124, 18.3847, 8.1187

Sweetspot

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



15.0188, 18.3853, 39.8033



48.8419, 55.6153, 75.3857



14.9182, 28.3984, 8.2800



10.2542, 11.7789, 16.3852



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.0188, 18.3853, 39.8033



25.6059, 30.6907, 71.7994



8.6545, 5.6565, 37.6818



7.5769, 8.1907, 9.6000



10.7759, 13.0121, 29.9191



0.3006, 0.3935, 0.7407

Inverse Universe

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



20.2457, 10.2849, 21.3408



35.7546, 17.6870, 35.3412



24.2665, 24.3987, 3.9615



7.7558, 7.6322, 9.0312



14.9398, 7.3846, 15.0264



0.3829, 0.1874, 0.4678

Previews

White Background



This preview shows how the XYZ color 15.0182, 18.3847, 39.8028 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 15.0182, 18.3847, 39.8028 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 15.0182, 18.3847, 39.8028

Background



This preview shows how black text looks on a background with the XYZ color 15.0182, 18.3847, 39.8028.

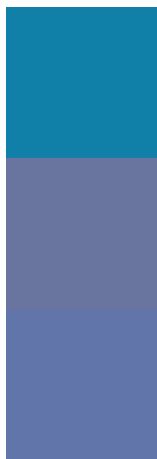


This preview shows how white text looks on a background with the XYZ color 15.0182, 18.3847,

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

15.0182, 18.3847, 39.8028

Protanopia

18.5632, 18.2900, 35.3528

Deuteranopia

18.7490, 18.2595, 41.0643



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

15.0182, 18.3847, 39.8028

Protanomaly

16.1830, 17.7392, 36.7535

Deuteranomaly

16.5473, 17.8422, 40.6020

Tritanomaly

13.7773, 18.5057, 32.1240

Monochromacy



Original Color

15.0182, 18.3847, 39.8028

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6683, 13.8723, 21.1314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0182, 18.3847, 39.8028 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(17, 128, 168)` looks like.

```
.text, #text, p{  
    color:rgb(17, 128, 168)  
}
```

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(17, 128, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 128, 168) }
```

Border

The CSS property to change the border of an element to XYZ 15.0182, 18.3847, 39.8028 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(17, 128, 168) }
```


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

```
.border{ border-color:rgb(17, 128, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 128, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 128, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 128, 168);  
box-shadow:4px 4px 4px 4px rgb(17, 128,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0182, 18.3847, 39.8028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 128, 168) }
```

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

```
.background{ background-color: rgb(17, 128,  
168) }
```

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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