

Converting Colors

XYZ(18.4380, 22.4029, 49.8068)

Have a look what the booklet for
XYZ(18.4380, 22.4029, 49.8068)
contains.

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Color

**XYZ(18.4380, 22.4029,
49.8068)**

Conversions

Conversions Part 1

Format	Color
Hex	0F8CBA
RGB	15, 140, 186
RGB Percent	6%, 55%, 73%
CMY	0.9411, 0.4510, 0.2706
CMYK	0.92, 0.25, 0.00, 0.27
HSL	196°, 85%, 39%
HSV	196°, 92%, 73%
XYZ	18.4380, 22.4029, 49.8068
YIQ	107.8690, -89.2660, -12.1940

Conversions

Conversions Part 2

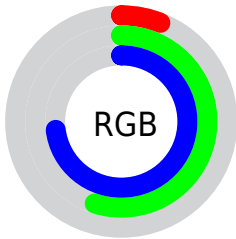
Format	Color
R_{YB}	15, 87, 186
Decimal	1019066
CIE _{Lab}	54.45, -14.23, -32.63
CIE _{LCh}	54, 35.600, 246.440
Yxy	22.4029, 0.2034, 0.2471
Android (android.graphics.Color)	4279209146 (0xFF0F8CBA)
YUV	107.8690, 38.5186, -81.4461
Hunter-Lab	47.3317, -13.2960, -29.2582

Details

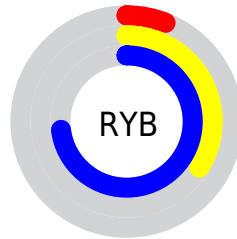
The XYZ color **18.4380, 22.4029, 49.8068** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.0065, 13.8141, 1.9595**, and the grayscale version is **14.1332, 14.8693, 16.1926**.

A 20% lighter version of the original color is **40.3558, 47.5910, 91.0634**, and **7.8898, 9.0058, 23.5128** is the 20% darker color. If you saturate the color by 10%, you get **17.6614, 21.1419, 49.6048**, and if you desaturate by 10%, it is **19.6368, 24.1316, 50.0777**.

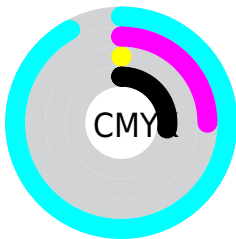
Distribution



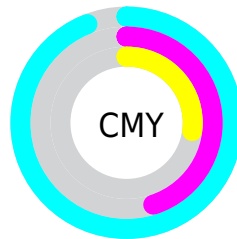
- Red (6%)
- Green (55%)
- Blue (73%)



- Red (6%)
- Yellow (34%)
- Blue (73%)



- Cyan (92%)
- Magenta (25%)
- Yellow (0%)
- Black (27%)



- Cyan (94%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4380, 22.4029, 49.8068 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 18.4380, 22.4029, 49.8068 by changing the saturation by 10% instead.

■ 18.4380, 22.4029,
49.8068

■ 18.4380, 22.4029,
49.8068

■ 236.3265,
264.6432, 402.6233

■ 11.3665, 14.1532,
34.8898

■ 40.3065, 47.4110,
91.2819

■ 6.3830, 8.2273,
23.2951

■ 55.8342, 64.9382,
118.6771

■ 3.1222, 4.2408,
14.6042

■ 74.9114, 86.3268,
151.0688

■ 1.2187, 1.8091,
8.3986

■ 97.9034, 111.9611,
188.8755

■ 0.1211, 0.4929,
4.2596

■ 125.1756,
142.2254, 232.5158

■ 0.0000, 0.0000,
1.7688

■ 157.0932,

■ 0.0000, 0.0000,

177.5043, 282.4081

0.4073

194.0217,
218.1821, 338.9711

■ 0.0000, 0.0000,
0.0000

■ 18.4380, 22.4029,
49.8068

■ 18.4380, 22.4029,
49.8068

■ 17.6614, 21.1419,
49.6048

■ 19.6368, 24.1316,
50.0777

■ 21.1989, 26.0973,
50.3748

■ 23.1727, 28.3258,
50.7009

■ 25.5980, 30.8383,
51.0581

■ 28.5100, 33.6536,
51.4480

■ 31.9399, 36.7883,
51.8723

■ 35.9163, 40.2578,
52.3324

■ 40.4658, 44.0762,
52.8296

■ 45.6129, 48.2570,
53.3653

Harmonies

Analogous

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



15.8190, 22.4029, 39.4785



18.4380, 22.4029, 49.8068



22.1443, 22.4029, 52.5141

Triad

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



18.4380, 22.4029, 49.8068



29.6353, 22.4029, 22.0657



17.1477, 22.4029, 10.8874

Complementary

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



18.4380, 22.4029, 49.8068



22.0065, 13.8141, 1.9595

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.



20.4644, 22.4029, 8.6852



18.4380, 22.4029, 49.8068



27.9039, 22.4029, 13.7428

Square

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



18.4380, 22.4029, 49.8068



28.9219, 22.4029, 34.0092



24.4291, 22.4029, 9.5421



15.1400, 22.4029, 16.7853

Rectangle

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



18.4380, 22.4029, 49.8068



24.8048, 22.4029, 49.0773



24.4291, 22.4029, 9.5421



18.1299, 22.4029, 9.7878

Sweetspot

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



18.4388, 22.4037, 49.8074



60.2698, 68.7846, 94.3016



18.5886, 35.5528, 10.2441



12.6192, 14.5682, 20.6894



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.4388, 22.4037, 49.8074



31.8014, 37.8995, 89.8406



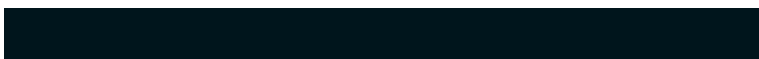
10.4229, 6.3719, 47.1354



9.0568, 9.7908, 11.4919



11.9463, 14.3522, 33.3937



0.4693, 0.6023, 1.1933

Inverse Universe

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



25.1549, 12.6751, 25.9323



44.6471, 22.0988, 43.5462



30.6317, 31.0646, 4.8346



9.2750, 9.1204, 10.7956



16.6436, 8.2312, 16.5419



0.6111, 0.2999, 0.7112

Previews

White Background



This preview shows how the XYZ color 18.4380, 22.4029, 49.8068 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 18.4380, 22.4029, 49.8068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

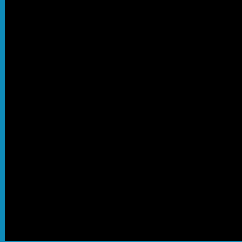
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4380, 22.4029, 49.8068

Background



This preview shows how black text looks on a background with the XYZ color 18.4380, 22.4029, 49.8068.

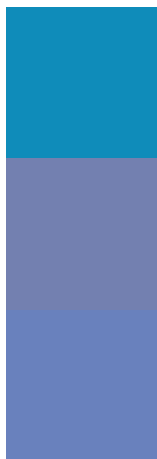


This preview shows how white text looks on a background with the XYZ color 18.4380, 22.4029,

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

18.4380, 22.4029, 49.8068

Protanopia

22.6259, 22.2178, 44.1702

Deuteranopia

22.8613, 22.3779, 51.2586



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

18.4380, 22.4029, 49.8068

Protanomaly

19.7139, 21.4601, 46.2832

Deuteranomaly

20.1371, 21.7836, 50.7203

Tritanomaly

16.7680, 22.4304, 39.5221

Monochromacy



Original Color

18.4380, 22.4029, 49.8068

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9844, 16.6664, 25.7724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4380, 22.4029, 49.8068 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(15, 140, 186)` looks like.

```
.text, #text, p{  
    color:rgb(15, 140, 186)  
}
```

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(15, 140, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 140, 186) }
```

Border

The CSS property to change the border of an element to XYZ 18.4380, 22.4029, 49.8068 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(15, 140, 186) }
```


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

```
.border{ border-color:rgb(15, 140, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 140, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 140, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 140, 186);  
box-shadow:4px 4px 4px 4px rgb(15, 140,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4380, 22.4029, 49.8068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 140, 186) }
```

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

```
.background{ background-color: rgb(15, 140,  
186) }
```

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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