

Converting Colors

XYZ(18.1168, 24.0673, 48.8919)

Have a look what the booklet for
XYZ(18.1168, 24.0673, 48.8919)
contains.

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Color

**XYZ(19.2416, 24.6405,
49.0894)**

Conversions

Conversions Part 1

Format	Color
Hex	0094B8
RGB	0, 148, 184
RGB Percent	0%, 58%, 72%
CMY	0.9999, 0.4196, 0.2784
CMYK	1.00, 0.20, 0.00, 0.28
HSL	192°, 100%, 36%
HSV	192°, 100%, 72%
XYZ	19.2416, 24.6405, 49.0894
YIQ	107.8520, -99.7640, -20.1800

Conversions

Conversions Part 2

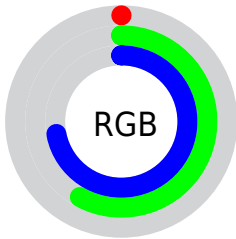
Format	Color
RYB	0, 82, 184
Decimal	38072
CIELab	56.72, -19.88, -27.97
CIELCh	57, 34.315, 234.605
Yxy	24.6405, 0.2070, 0.2650
Android (android.graphics.Color)	4278228152 (0xFF0094B8)
YUV	107.8520, 37.5410, -94.5862
Hunter-Lab	49.6392, -17.6768, -23.8859

Details

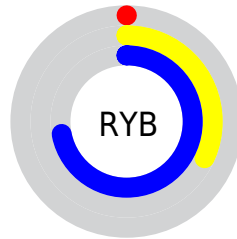
The XYZ color **19.2416, 24.6405, 49.0894** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.3994, 11.4542, 1.1366**, and the grayscale version is **14.1337, 14.8697, 16.1931**.

A 20% lighter version of the original color is **41.5680, 50.9652, 90.0845**, and **8.3714, 10.1881, 22.9980** is the 20% darker color. If you saturate the color by 10%, you get **19.2411, 24.6392, 49.0897**, and if you desaturate by 10%, it is **20.0733, 25.9212, 49.2933**.

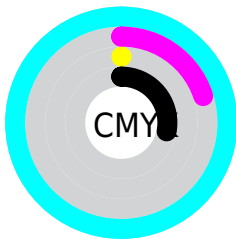
Distribution



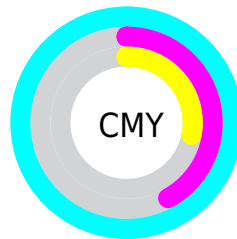
- Red (0%)
- Green (58%)
- Blue (72%)



- Red (0%)
- Yellow (32%)
- Blue (72%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (42%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2416, 24.6405, 49.0894 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 19.2416, 24.6405, 49.0894 by changing the saturation by 10% instead.

■ 19.2416, 24.6405,
49.0894

■ 19.2416, 24.6405,
49.0894

■ 240.6919,
276.0428, 399.7267

■ 11.9500, 15.8094,
34.3243

■ 41.6557, 51.0734,
90.2066

■ 6.7816, 9.3894,
22.8635

■ 57.5089, 69.4440,
117.3957

■ 3.3710, 4.9960,
14.2884

■ 76.9467, 91.7633,
149.5633

■ 1.3529, 2.2449,
8.1805

■ 100.3344,
118.4156, 187.1279

■ 0.2223, 0.7443,
4.1212

■ 128.0374,
149.7853, 230.5080

■ 0.0000, 0.0000,
1.6921

■ 160.4211,

■ 0.0000, 0.0000,

186.2568, 280.1221

0.3553

197.8508,
228.2145, 336.3889

■ 0.0000, 0.0000,
0.0000

■ 19.2416, 24.6405,
49.0894

■ 19.2416, 24.6405,
49.0894

■ 19.2411, 24.6392,
49.0897

■ 20.0733, 25.9212,
49.2933

■ 21.1639, 27.3613,
49.5137

■ 22.6045, 29.0083,
49.7557

■ 24.4393, 30.8853,
50.0213

■ 26.7058, 33.0118,
50.3123

■ 29.4370, 35.4052,
50.6303

■ 32.6628, 38.0809,
50.9768

■ 36.4102, 41.0531,
51.3530

■ 40.7044, 44.3351,
51.7601

Harmonies

Analogous

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



17.1000, 24.6405, 37.0853



19.2416, 24.6405, 49.0894



22.7043, 24.6405, 55.2770

Triad

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



19.2416, 24.6405, 49.0894



31.9422, 24.6405, 28.9543



20.3615, 24.6405, 11.3719

Complementary

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



19.2416, 24.6405, 49.0894



20.3994, 11.4542, 1.1366

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.



24.1507, 24.6405, 10.3318



19.2416, 24.6405, 49.0894



31.1322, 24.6405, 18.6634

Square

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



19.2416, 24.6405, 49.0894



30.2660, 24.6405, 41.7173



28.1635, 24.6405, 12.5811



17.6931, 24.6405, 15.9862

Rectangle

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



19.2416, 24.6405, 49.0894



25.4134, 24.6405, 54.2885



28.1635, 24.6405, 12.5811



21.5337, 24.6405, 10.6603

Sweetspot

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



19.2424, 24.6414, 49.0900



58.8829, 68.7662, 92.3744



17.4264, 34.3957, 7.2158



12.1468, 14.3759, 19.8562



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.2424, 24.6414, 49.0900



34.7084, 44.3230, 88.9305



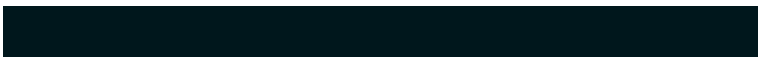
10.1799, 6.5163, 46.0692



9.1133, 9.9039, 11.5108



13.3105, 17.0807, 33.8484



0.5080, 0.6796, 1.2061

Inverse Universe

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



25.1132, 12.3293, 29.0740



45.4362, 22.3139, 52.2448



27.1958, 25.0469, 3.4021



9.3036, 9.1318, 10.9459



17.3322, 8.5066, 20.1680



0.6305, 0.3077, 0.8139

Previews

White Background



This preview shows how the XYZ color 19.2416, 24.6405, 49.0894 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 19.2416, 24.6405, 49.0894 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 19.2416, 24.6405, 49.0894

Background



This preview shows how black text looks on a background with the XYZ color 19.2416, 24.6405, 49.0894.

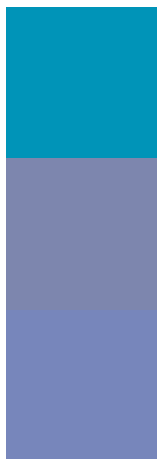


This preview shows how white text looks on a background with the XYZ color 19.2416, 24.6405,

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

19.2416, 24.6405, 49.0894

Protanopia

24.6225, 24.4662, 43.4691

Deuteranopia

25.1025, 24.5600, 50.4312



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

19.2416, 24.6405, 49.0894



Protanomaly

20.5768, 23.3851, 45.5487



Deuteranomaly

21.0760, 23.5469, 49.8886



Tritanomaly

18.1620, 24.7150, 41.8434

Monochromacy



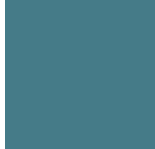
Original Color

19.2416, 24.6405, 49.0894



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

13.9811, 17.2087, 25.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2416, 24.6405, 49.0894 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(0, 148, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 184)  
}
```

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(0, 148, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.2416, 24.6405, 49.0894 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(0, 148, 184) }
```


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

```
.border{ border-color:rgb(0, 148, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2416, 24.6405, 49.0894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 184) }
```

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

```
.background{ background-color: rgb(0, 148,  
184) }
```

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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