

Converting Colors

XYZ(17.0395, 22.9634, 49.5440)

Have a look what the booklet for
XYZ(17.0395, 22.9634, 49.5440)
contains.

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Color

**XYZ(19.0358, 24.0606,
49.5398)**

Conversions

Conversions Part 1

Format	Color
Hex	0092B9
RGB	0, 146, 185
RGB Percent	0%, 57%, 73%
CMY	0.9999, 0.4274, 0.2745
CMYK	1.00, 0.21, 0.00, 0.27
HSL	193°, 100%, 36%
HSV	193°, 100%, 73%
XYZ	19.0358, 24.0606, 49.5398
YIQ	106.7920, -99.5350, -18.8230

Conversions

Conversions Part 2

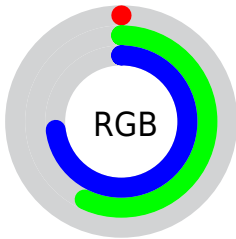
Format	Color
RYB	0, 82, 185
Decimal	37561
CIELab	56.15, -18.45, -29.43
CIELCh	56, 34.735, 237.921
Yxy	24.0606, 0.2055, 0.2597
Android (android.graphics.Color)	4278227641 (0xFF0092B9)
YUV	106.7920, 38.5565, -93.6566
Hunter-Lab	49.0516, -16.5686, -25.5440

Details

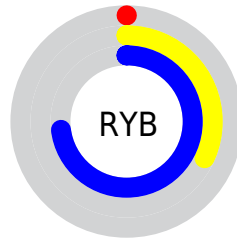
The XYZ color **19.0358, 24.0606, 49.5398** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.7344, 11.7674, 1.1794**, and the grayscale version is **13.8369, 14.5575, 15.8531**.

A 20% lighter version of the original color is **41.2508, 50.0923, 90.7137**, and **8.2571, 9.8504, 23.2959** is the 20% darker color. If you saturate the color by 10%, you get **19.0353, 24.0593, 49.5401**, and if you desaturate by 10%, it is **19.9073, 25.4182, 49.7564**.

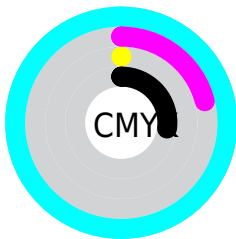
Distribution



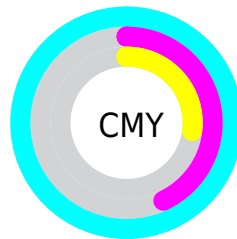
- Red (0%)
- Green (57%)
- Blue (73%)



- Red (0%)
- Yellow (32%)
- Blue (73%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (43%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0358, 24.0606, 49.5398 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 19.0358, 24.0606, 49.5398 by changing the saturation by 10% instead.

■ 19.0358, 24.0606,
49.5398

■ 19.0358, 24.0606,
49.5398

■ 239.5806,
273.1267, 401.5469

■ 11.8003, 15.3786,
34.6793

■ 41.3110, 50.1291,
90.8819

■ 6.6791, 9.0855,
23.1343

■ 57.0814, 68.2843,
118.2006

■ 3.3068, 4.7970,
14.4865

■ 76.4275, 90.3661,
150.5090

■ 1.3180, 2.1287,
8.3172

■ 99.7146, 116.7588,
188.2258

■ 0.1966, 0.6807,
4.2079

■ 127.3081,
147.8468, 231.7694

■ 0.0000, 0.0000,
1.7401

■ 159.5734,

■ 0.0000, 0.0000,

184.0145, 281.5585

0.3880

196.8758,
225.6464, 338.0115

■ 0.0000, 0.0000,
0.0000

■ 19.0358, 24.0606,
49.5398

■ 19.0358, 24.0606,
49.5398

■ 19.0353, 24.0593,
49.5401

■ 19.9073, 25.4182,
49.7564

■ 21.0442, 26.9430,
49.9908

■ 22.5382, 28.6828,
50.2479

■ 24.4341, 30.6613,
50.5298

■ 26.7702, 32.8982,
50.8385

■ 29.5799, 35.4112,
51.1754

■ 32.8934, 38.2161,
51.5422

■ 36.7383, 41.3274,
51.9401

■ 41.1400, 44.7585,
52.3704

Harmonies

Analogous

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



16.7442, 24.0606, 37.8764



19.0358, 24.0606, 49.5398



22.5920, 24.0606, 54.8189

Triad

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



19.0358, 24.0606, 49.5398



31.4134, 24.0606, 27.0022



19.4651, 24.0606, 11.1974

Complementary

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



19.0358, 24.0606, 49.5398



20.7344, 11.7674, 1.1794

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.



23.1480, 24.0606, 9.8170



19.0358, 24.0606, 49.5398



30.3300, 24.0606, 17.2067

Square

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



19.0358, 24.0606, 49.5398



29.9957, 24.0606, 39.6672



27.1848, 24.0606, 11.6553



16.9711, 24.0606, 16.1856

Rectangle

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



19.0358, 24.0606, 49.5398



25.3088, 24.0606, 53.1185



27.1848, 24.0606, 11.6553



20.5911, 24.0606, 10.3731

Sweetspot

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



19.0366, 24.0614, 49.5404



58.5881, 68.1766, 92.2761



17.6838, 34.8322, 7.5435



12.0753, 14.2330, 19.8324



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.



19.0366, 24.0614, 49.5404



33.9162, 42.7385, 88.6664



10.1485, 6.2852, 46.5777



9.1016, 9.8805, 11.5068



13.0152, 16.4901, 33.7500



0.4997, 0.6631, 1.2034

Inverse Universe

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



25.1966, 12.3904, 28.2586



45.0363, 22.1540, 50.1390



27.9255, 26.1496, 3.5764



9.2976, 9.1294, 10.9148



17.1832, 8.4470, 19.3831



0.6264, 0.3060, 0.7920

Previews

White Background



This preview shows how the XYZ color 19.0358, 24.0606, 49.5398 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 19.0358, 24.0606, 49.5398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

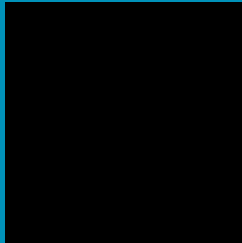
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0358, 24.0606, 49.5398

Background



This preview shows how black text looks on a background with the XYZ color 19.0358, 24.0606, 49.5398.

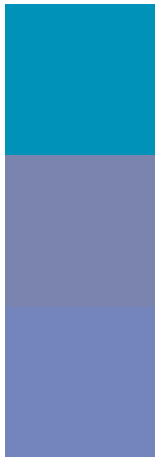


This preview shows how white text looks on a background with the XYZ color 19.0358, 24.0606,

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

19.0358, 24.0606, 49.5398

Protanopia

24.1575, 23.8086, 43.8797

Deuteranopia

24.5349, 24.0507, 50.9261



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



Original Color

19.0358, 24.0606, 49.5398

Protanomaly

20.2242, 22.7657, 45.9761

Deuteranomaly

20.8058, 23.1813, 50.3916

Tritanomaly

17.8456, 24.0821, 41.7380

Monochromacy



Original Color

19.0358, 24.0606, 49.5398

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5944, 16.6530, 25.4195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0358, 24.0606, 49.5398 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, 146, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 185)  
}
```

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, 146, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 185) }
```

Border

The CSS property to change the border of an element to XYZ 19.0358, 24.0606, 49.5398 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, 146, 185) }
```


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

```
.border{ border-color:rgb(0, 146, 185) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0358, 24.0606, 49.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 185) }
```

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

```
.background{ background-color: rgb(0, 146,  
185) }
```

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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