

Converting Colors

XYZ(9.2303, 19.1770, 49.5675)

Have a look what the booklet for
XYZ(9.2303, 19.1770, 49.5675)
contains.

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Color

**XYZ(19.2966, 24.4126,
50.1494)**

Conversions

Conversions Part 1

Format	Color
Hex	0093BA
RGB	0, 147, 186
RGB Percent	0%, 58%, 73%
CMY	0.9999, 0.4235, 0.2706
CMYK	1.00, 0.21, 0.00, 0.27
HSL	193°, 100%, 36%
HSV	193°, 100%, 73%
XYZ	19.2966, 24.4126, 50.1494
YIQ	107.4930, -100.1310, -19.0350

Conversions

Conversions Part 2

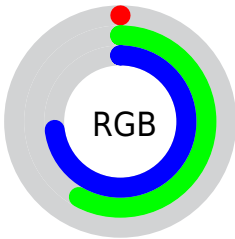
Format	Color
RYB	0, 82, 186
Decimal	37818
CIELab	56.50, -18.63, -29.46
CIELCh	56, 34.852, 237.693
Yxy	24.4126, 0.2056, 0.2601
Android (android.graphics.Color)	4278227898 (0xFF0093BA)
YUV	107.4930, 38.7040, -94.2714
Hunter-Lab	49.4091, -16.7532, -25.5920

Details

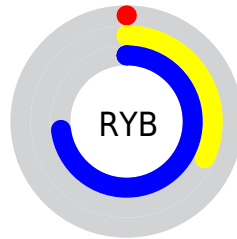
The XYZ color **19.2966, 24.4126, 50.1494** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.9767, 11.8925, 1.1908**, and the grayscale version is **14.0308, 14.7615, 16.0753**.

A 20% lighter version of the original color is **41.7375, 50.6709, 91.5851**, and **8.4165, 10.0592, 23.6883** is the 20% darker color. If you saturate the color by 10%, you get **19.2959, 24.4110, 50.1496**, and if you desaturate by 10%, it is **20.1754, 25.7818, 50.3679**.

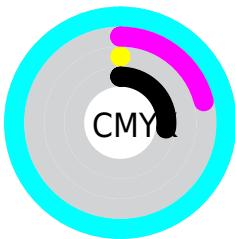
Distribution



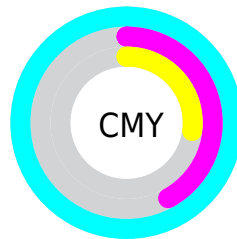
- Red (0%)
- Green (58%)
- Blue (73%)



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



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



- Cyan (100%)
- Magenta (42%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2966, 24.4126, 50.1494 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 19.2966, 24.4126, 50.1494 by changing the saturation by 10% instead.

■ 19.2966, 24.4126,
50.1494

■ 19.2966, 24.4126,
50.1494

■ 240.9881,
274.8999, 404.0017

■ 11.9901, 15.6400,
35.1601

■ 41.7477, 50.7027,
91.7948

■ 6.8091, 9.2697,
23.5017

■ 57.6230, 68.9889,
119.2879

■ 3.3882, 4.9175,
14.7556

■ 77.0852, 91.2151,
151.7862

■ 1.3622, 2.1990,
8.5033

■ 100.4997,
117.7657, 189.7079

■ 0.2291, 0.7194,
4.3263

■ 128.2319,
149.0251, 233.4718

■ 0.0000, 0.0000,
1.8060

■ 160.6472,

■ 0.0000, 0.0000,

185.3777, 283.4964

0.4319

198.1108,
227.2078, 340.2002

■ 0.0000, 0.0000,
0.0000

■ 19.2966, 24.4126,
50.1494

■ 19.2966, 24.4126,
50.1494

■ 19.2959, 24.4110,
50.1496

■ 20.1754, 25.7818,
50.3679

■ 21.3230, 27.3201,
50.6043

■ 22.8319, 29.0757,
50.8636

■ 24.7476, 31.0724,
51.1481

■ 27.1088, 33.3305,
51.4595

■ 29.9495, 35.8677,
51.7995

■ 33.3002, 38.7001,
52.1696

■ 37.1888, 41.8423,
52.5711

■ 41.6412, 45.3079,
53.0054

Harmonies

Analogous

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



16.9858, 24.4126, 38.3106



19.2966, 24.4126, 50.1494



22.8923, 24.4126, 55.5610

Triad

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



19.2966, 24.4126, 50.1494



31.8571, 24.4126, 27.4864



19.7793, 24.4126, 11.3545

Complementary

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



19.2966, 24.4126, 50.1494



20.9767, 11.8925, 1.1908

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.



23.5174, 24.4126, 9.9797



19.2966, 24.4126, 50.1494



30.7788, 24.4126, 17.5295

Square

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



19.2966, 24.4126, 50.1494



30.4030, 24.4126, 40.3231



27.6049, 24.4126, 11.8698



17.2409, 24.4126, 16.3809

Rectangle

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



19.2966, 24.4126, 50.1494



25.6437, 24.4126, 53.8883



27.6049, 24.4126, 11.8698



20.9231, 24.4126, 10.5274

Sweetspot

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



19.2974, 24.4134, 50.1500



60.0221, 69.8679, 94.5238



17.8970, 35.2534, 7.6303



12.6301, 14.8949, 20.7519



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.



19.2974, 24.4134, 50.1500



34.7933, 43.8832, 90.8379



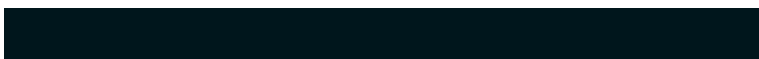
10.2691, 6.3567, 47.1406



9.1025, 9.8822, 11.5071



13.0370, 16.5336, 33.7573



0.5003, 0.6643, 1.2036

Inverse Universe

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



25.5169, 12.5466, 28.6814



46.1572, 22.7029, 51.4985



28.2608, 26.4606, 3.6189



9.2981, 9.1296, 10.9171



17.1941, 8.4514, 19.4409



0.6267, 0.3062, 0.7936

Previews

White Background



This preview shows how the XYZ color 19.2966, 24.4126, 50.1494 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 19.2966, 24.4126, 50.1494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

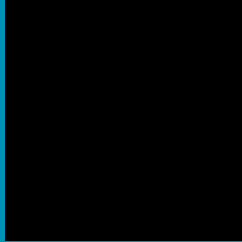
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2966, 24.4126, 50.1494

Background



This preview shows how black text looks on a background with the XYZ color 19.2966, 24.4126, 50.1494.

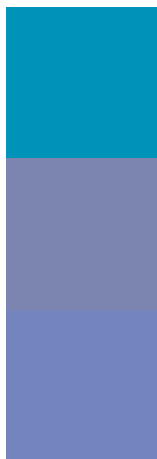


This preview shows how white text looks on a background with the XYZ color 19.2966, 24.4126,

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

19.2966, 24.4126, 50.1494

Protanopia

24.5362, 24.1947, 44.4511

Deuteranopia

24.7753, 24.1622, 51.5021



Tritanopia

17.4279, 24.4213, 37.9777

Trichromacy



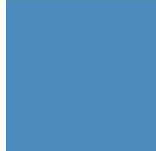
Original Color

19.2966, 24.4126, 50.1494



Protanomaly

20.5511, 23.1345, 46.5623



Deuteranomaly

20.9896, 23.2636, 50.9610



Tritanomaly

18.0981, 24.4352, 42.2907

Monochromacy



Original Color

19.2966, 24.4126, 50.1494



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

13.8577, 16.9618, 25.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2966, 24.4126, 50.1494 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, 147, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 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(0, 147, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 186) }
```

Border

The CSS property to change the border of an element to XYZ 19.2966, 24.4126, 50.1494 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, 147, 186) }
```


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

```
.border{ border-color:rgb(0, 147, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2966, 24.4126, 50.1494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 186) }
```

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

```
.background{ background-color: rgb(0, 147,  
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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