

Converting Colors

XYZ(19.4987, 24.3530, 51.6465)

Have a look what the booklet for
XYZ(19.4987, 24.3530, 51.6465)
contains.

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Color

**XYZ(19.4642, 24.2319,
51.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	0092BD
RGB	0, 146, 189
RGB Percent	0%, 57%, 74%
CMY	0.9998, 0.4274, 0.2588
CMYK	1.00, 0.23, 0.00, 0.26
HSL	194°, 100%, 37%
HSV	194°, 100%, 74%
XYZ	19.4642, 24.2319, 51.7955
YIQ	107.2480, -100.8190, -17.5790

Conversions

Conversions Part 2

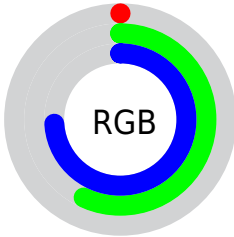
Format	Color
R_{YB}	0, 82, 189
Decimal	37565
CIE _{Lab}	56.32, -17.01, -31.44
CIE _{LCh}	56, 35.742, 241.589
Yxy	24.2319, 0.2038, 0.2538
Android (android.graphics.Color)	4278227645 (0xFF0092BD)
YUV	107.2480, 40.3037, -94.0565
Hunter-Lab	49.2259, -15.5654, -27.9268

Details

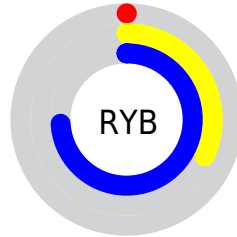
The XYZ color **19.4642, 24.2319, 51.7955** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.8520, 12.5495, 1.2717**, and the grayscale version is **13.9591, 14.6860, 15.9931**.

A 20% lighter version of the original color is **41.9596, 50.3879, 93.9005**, and **8.4654, 9.9337, 24.3929** is the 20% darker color. If you saturate the color by 10%, you get **19.4632, 24.2298, 51.7956**, and if you desaturate by 10%, it is **20.4075, 25.7214, 52.0338**.

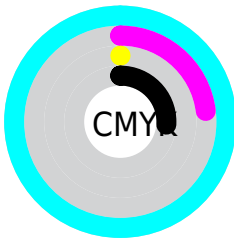
Distribution



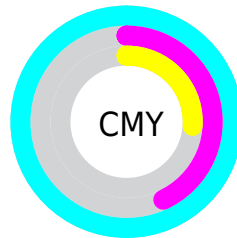
- Red (0%)
- Green (57%)
- Blue (74%)



- Red (0%)
- Yellow (32%)
- Blue (74%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (43%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4642, 24.2319, 51.7955 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 19.4642, 24.2319, 51.7955 by changing the saturation by 10% instead.

■ 19.4642, 24.2319,
51.7955

■ 19.4642, 24.2319,
51.7955

■ 241.8888,
273.9908, 410.5811

■ 12.1122, 15.5057,
36.4610

■ 42.0279, 50.4084,
94.2531

■ 6.8929, 9.1751,
24.4979

■ 57.9702, 68.6274,
122.2132

■ 3.4409, 4.8556,
15.4878

■ 77.5067, 90.7796,
155.2190

■ 1.3910, 2.1628,
9.0120

■ 101.0027,
117.2493, 193.6889

■ 0.2498, 0.6996,
4.6521

■ 128.8235,
148.4209, 238.0416

■ 0.0000, 0.0000,
1.9895

■ 161.3346,

■ 0.0000, 0.0000,

184.6787, 288.6954

0.5488

198.9012,
226.4072, 346.0691

■ 0.0000, 0.0000,
0.0000

■ 19.4642, 24.2319,
51.7955

■ 19.4642, 24.2319,
51.7955

■ 19.4632, 24.2298,
51.7956

■ 20.4075, 25.7214,
52.0338

■ 21.6342, 27.3941,
52.2920

■ 23.2396, 29.2997,
52.5752

■ 25.2709, 31.4631,
52.8857

■ 27.7685, 33.9056,
53.2255

■ 30.7678, 36.6455,
53.5963

■ 34.3007, 39.6999,
53.9996

■ 38.3962, 43.0840,
54.4370

■ 43.0813, 46.8120,
54.9096

Harmonies

Analogous

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



16.9208, 24.2319, 40.1437



19.4642, 24.2319, 51.7955



23.2521, 24.2319, 56.1846

Triad

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



19.4642, 24.2319, 51.7955



31.8935, 24.2319, 25.7601



19.1260, 24.2319, 11.3923

Complementary

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



19.4642, 24.2319, 51.7955



21.8520, 12.5495, 1.2717

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.



22.8126, 24.2319, 9.5820



19.4642, 24.2319, 51.7955



30.4608, 24.2319, 16.1944

Square

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



19.4642, 24.2319, 51.7955



30.7263, 24.2319, 38.7189



27.0105, 24.2319, 11.0365



16.7425, 24.2319, 16.9945

Rectangle

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



19.4642, 24.2319, 51.7955



26.0715, 24.2319, 53.6049



27.0105, 24.2319, 11.0365



20.2379, 24.2319, 10.4106

Sweetspot

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



19.4651, 24.2327, 51.7961



61.0918, 70.8142, 96.6748



18.5982, 36.5558, 8.1718



12.5426, 14.7198, 20.7227



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.



19.4651, 24.2327, 51.7961



34.6689, 43.0163, 92.7019



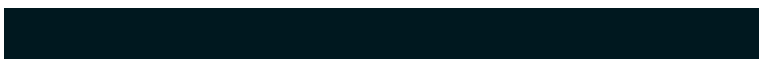
10.4855, 6.2736, 48.8029



9.6195, 10.4313, 12.1786



13.1549, 16.4215, 34.8692



0.5613, 0.7352, 1.3812

Inverse Universe

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



26.1754, 12.8952, 28.3043



46.7820, 23.0548, 50.1824



29.7152, 28.2761, 3.8928



9.8345, 9.6581, 11.5177



17.6408, 8.6875, 19.1996



0.7142, 0.3496, 0.8743

Previews

White Background



This preview shows how the XYZ color 19.4642, 24.2319, 51.7955 looks on a white background.

Color Contrast Check

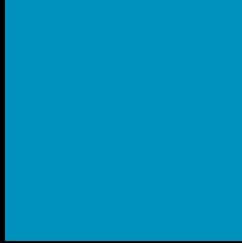
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4642, 24.2319, 51.7955 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 19.4642, 24.2319, 51.7955

Background



This preview shows how black text looks on a background with the XYZ color 19.4642, 24.2319, 51.7955.

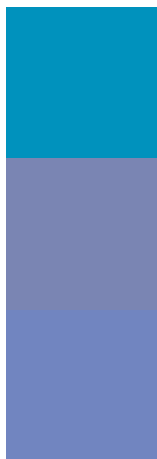


This preview shows how white text looks on a background with the XYZ color 19.4642, 24.2319,

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

19.4642, 24.2319, 51.7955

Protanopia

24.5503, 24.1673, 46.0186

Deuteranopia

24.7120, 24.0915, 53.2168



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



Original Color

19.4642, 24.2319, 51.7955



Protanomaly

20.7776, 23.2156, 48.1857



Deuteranomaly

21.1649, 23.3163, 52.6752



Tritanomaly

17.9406, 24.1201, 42.2382

Monochromacy



Original Color

19.4642, 24.2319, 51.7955



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

13.7366, 16.7098, 26.1682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4642, 24.2319, 51.7955 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 189) }
```

Border

The CSS property to change the border of an element to XYZ 19.4642, 24.2319, 51.7955 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, 189) }
```


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

```
.border{ border-color:rgb(0, 146, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4642, 24.2319, 51.7955 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, 189) }
```

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

```
.background{ background-color: rgb(0, 146,  
189) }
```

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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