

Converting Colors

XYZ(19.4750, 24.5668, 50.7299)

Have a look what the booklet for
XYZ(19.4750, 24.5668, 50.7299)
contains.

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Color

**XYZ(19.4284, 24.4682,
50.7126)**

Conversions

Conversions Part 1

Format	Color
Hex	0293BB
RGB	2, 147, 187
RGB Percent	1%, 58%, 73%
CMY	0.9920, 0.4235, 0.2667
CMYK	0.99, 0.21, 0.00, 0.27
HSL	193°, 98%, 37%
HSV	193°, 99%, 73%
XYZ	19.4284, 24.4682, 50.7126
YIQ	108.2050, -99.2600, -18.3000

Conversions

Conversions Part 2

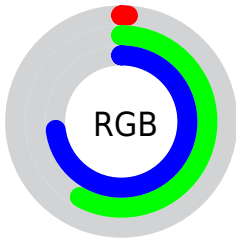
Format	Color
R _Y B	2, 83, 187
Decimal	168891
CIE Lab	56.55, -18.20, -29.94
CIE LCh	57, 35.034, 238.708
Yxy	24.4682, 0.2054, 0.2586
Android (android.graphics.Color)	4278358971 (0xFF0293BB)
YUV	108.2050, 38.8459, -93.1418
Hunter-Lab	49.4653, -16.4553, -26.1592

Details

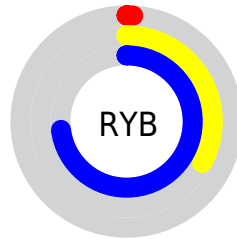
The XYZ color **19.4284, 24.4682, 50.7126** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.3342, 12.2279, 1.2943**, and the grayscale version is **14.2292, 14.9702, 16.3025**.

A 20% lighter version of the original color is **41.8882, 50.7311, 92.3784**, and **8.4859, 10.0870, 24.0540** is the 20% darker color. If you saturate the color by 10%, you get **19.3353, 24.3191, 50.6892**, and if you desaturate by 10%, it is **20.3475, 25.8924, 50.9396**.

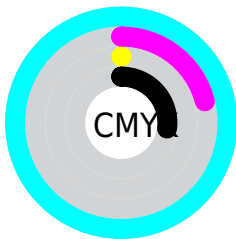
Distribution



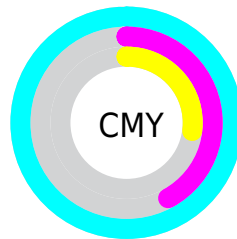
- Red (1%)
- Green (58%)
- Blue (73%)



- Red (1%)
- Yellow (33%)
- Blue (73%)



- Cyan (99%)
- Magenta (21%)
- Yellow (0%)
- Black (27%)



- Cyan (99%)
- Magenta (42%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4284, 24.4682, 50.7126 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 19.4284, 24.4682, 50.7126 by changing the saturation by 10% instead.

19.4284, 24.4682,
50.7126

19.4284, 24.4682,
50.7126

241.6966,
275.1791, 406.2608

12.0861, 15.6813,
35.6048

41.9680, 50.7932,
92.6370

6.8749, 9.2989,
23.8419

57.8961, 69.1000,
120.2906

3.4296, 4.9367,
15.0052

77.4167, 91.3490,
152.9632

1.3848, 2.2101,
8.6764

100.8954,
117.9244, 191.0735

0.2454, 0.7255,
4.4368

128.6973,
149.2108, 235.0398

0.0000, 0.0000,
1.8679

161.1879,

0.0000, 0.0000,

185.5924, 285.2807

0.4722

198.7326,
227.4537, 342.2149

■ 0.0000, 0.0000,
0.0000

■ 19.4284, 24.4682,
50.7126

■ 19.4284, 24.4682,
50.7126

■ 19.3353, 24.3191,
50.6892

■ 20.3475, 25.8924,
50.9396

■ 21.5594, 27.5004,
51.1861

■ 23.1439, 29.3339,
51.4564

■ 25.1460, 31.4165,
51.7529

■ 27.6045, 33.7685,
52.0773

■ 30.5534, 36.4076,
52.4313

■ 34.0232, 39.3501,
52.8164

■ 38.0422, 42.6106,
53.2339

■ 42.6363, 46.2030,
53.6851

Harmonies

Analogous

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



17.0527, 24.4682, 38.9053



19.4284, 24.4682, 50.7126



23.0806, 24.4682, 55.8706

Triad

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



19.4284, 24.4682, 50.7126



31.9780, 24.4682, 27.1495



19.7003, 24.4682, 11.4368

Complementary

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



19.4284, 24.4682, 50.7126



21.3342, 12.2279, 1.2943

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.



23.4329, 24.4682, 9.9443



19.4284, 24.4682, 50.7126



30.8070, 24.4682, 17.2711

Square

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



19.4284, 24.4682, 50.7126



30.5950, 24.4682, 40.0410



27.5566, 24.4682, 11.7263



17.1963, 24.4682, 16.6247

Rectangle

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



19.4284, 24.4682, 50.7126



25.8544, 24.4682, 53.9643



27.5566, 24.4682, 11.7263



20.8383, 24.4682, 10.5671

Sweetspot

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



19.4292, 24.4690, 50.7132



59.8921, 69.6080, 94.4804



18.1627, 35.7009, 7.8558



12.5979, 14.8305, 20.7412



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.



19.4292, 24.4690, 50.7132



34.4482, 43.1931, 90.7229



10.4846, 6.5797, 47.7317



9.6288, 10.4498, 12.1817



13.3766, 16.8649, 34.9431



0.5684, 0.7494, 1.3835

Inverse Universe

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



25.7825, 12.7158, 28.7000



45.9830, 22.6332, 50.5814



28.6902, 26.9399, 3.7463



9.8392, 9.6600, 11.5423



17.7526, 8.7322, 19.7888



0.7178, 0.3510, 0.8931

Previews

White Background



This preview shows how the XYZ color 19.4284, 24.4682, 50.7126 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 19.4284, 24.4682, 50.7126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

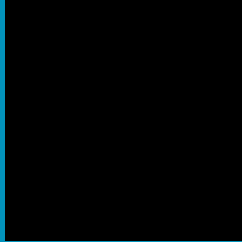
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4284, 24.4682, 50.7126

Background



This preview shows how black text looks on a background with the XYZ color 19.4284, 24.4682, 50.7126.

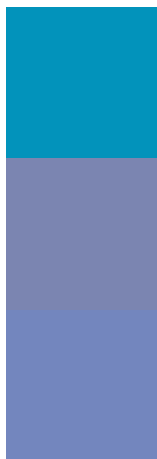


This preview shows how white text looks on a background with the XYZ color 19.4284, 24.4682,

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

19.4284, 24.4682, 50.7126

Protanopia

24.4917, 24.1603, 44.9675

Deuteranopia

24.8896, 24.4127, 52.1155



Tritanopia

17.4279, 24.4213, 37.9777

Trichromacy



Original Color

19.4284, 24.4682, 50.7126

Protanomaly

20.6534, 23.1754, 47.1008

Deuteranomaly

21.2420, 23.5952, 51.5789

Tritanomaly

18.1106, 24.4416, 42.2912

Monochromacy



Original Color

19.4284, 24.4682, 50.7126

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9291, 16.9904, 26.2122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4284, 24.4682, 50.7126 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(2, 147, 187)` looks like.

```
.text, #text, p{  
    color:rgb(2, 147, 187)  
}
```

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(2, 147, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 147, 187) }
```

Border

The CSS property to change the border of an element to XYZ 19.4284, 24.4682, 50.7126 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(2, 147, 187) }
```


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

```
.border{ border-color:rgb(2, 147, 187) }
```

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

Here you see how a box with a 4 pixel rgb(2, 147, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 147, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 147, 187);  
box-shadow:4px 4px 4px 4px rgb(2, 147,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4284, 24.4682, 50.7126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 147, 187) }
```

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

```
.background{ background-color: rgb(2, 147,  
187) }
```

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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