

Converting Colors

XYZ(10.9141, 21.1099, 46.4735)

Have a look what the booklet for
XYZ(10.9141, 21.1099, 46.4735)
contains.

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Color

**XYZ(19.3048, 25.4285,
47.0707)**

Conversions

Conversions Part 1

Format	Color
Hex	0097B4
RGB	0, 151, 180
RGB Percent	0%, 59%, 71%
CMY	0.9999, 0.4078, 0.2941
CMYK	1.00, 0.16, 0.00, 0.29
HSL	190°, 100%, 35%
HSV	190°, 100%, 71%
XYZ	19.3048, 25.4285, 47.0707
YIQ	109.1570, -99.3050, -22.9930

Conversions

Conversions Part 2

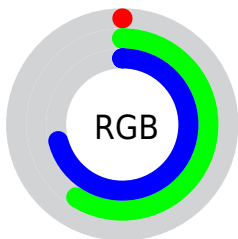
Format	Color
RYB	0, 82, 180
Decimal	38836
CIELab	57.49, -22.86, -24.52
CIElCh	57, 33.523, 227.003
Yxy	25.4285, 0.2103, 0.2770
Android (android.graphics.Color)	4278228916 (0xFF0097B4)
YUV	109.1570, 34.9256, -95.7307
Hunter-Lab	50.4267, -19.9117, -20.0455

Details

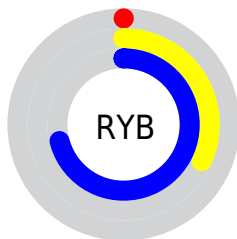
The XYZ color **19.3048, 25.4285, 47.0707** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.2629, 10.5838, 1.0285**, and the grayscale version is **14.5076, 15.2631, 16.6215**.

A 20% lighter version of the original color is **41.6910, 52.1517, 87.2258**, and **8.3879, 10.6466, 21.6916** is the 20% darker color. If you saturate the color by 10%, you get **19.3044, 25.4275, 47.0710**, and if you desaturate by 10%, it is **20.0279, 26.5032, 47.2405**.

Distribution



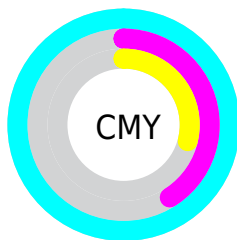
- Red (0%)
- Green (59%)
- Blue (71%)



- Red (0%)
- Yellow (32%)
- Blue (71%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (41%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3048, 25.4285, 47.0707 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 19.3048, 25.4285, 47.0707 by changing the saturation by 10% instead.

■ 19.3048, 25.4285,
47.0707

■ 19.3048, 25.4285,
47.0707

■ 241.0322,
279.9652, 391.4986

■ 11.9960, 16.3966,
32.7368

■ 41.7614, 52.3515,
87.1702

■ 6.8132, 9.8052,
21.6554

■ 57.6400, 71.0114,
113.7729

■ 3.3908, 5.2700,
13.4080

■ 77.1058, 93.6495,
145.3024

■ 1.3636, 2.4065,
7.5761

■ 100.5244,
120.6500, 182.1770

■ 0.2301, 0.8293,
3.7411

■ 128.2609,
152.3975, 224.8154

■ 0.0000, 0.0000,
1.4844

■ 160.6808,

■ 0.0000, 0.0000,

189.2762, 273.6361

0.2063

198.1495,
231.6707, 329.0576

■ 0.0000, 0.0000,
0.0000

■ 19.3048, 25.4285,
47.0707

■ 19.3048, 25.4285,
47.0707

■ 19.3044, 25.4275,
47.0710

■ 20.0279, 26.5032,
47.2405

■ 20.9906, 27.7183,
47.4243

■ 22.2808, 29.1193,
47.6268

■ 23.9402, 30.7282,
47.8498

■ 26.0042, 32.5631,
48.0952

■ 28.5041, 34.6404,
48.3644

■ 31.4680, 36.9746,
48.6588

■ 34.9215, 39.5791,
48.9795

■ 38.8884, 42.4663,
49.3277

Harmonies

Analogous

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



17.5488, 25.4285, 34.6235



19.3048, 25.4285, 47.0707



22.4841, 25.4285, 55.0941

Triad

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



19.3048, 25.4285, 47.0707



32.4431, 25.4285, 32.9294



21.9939, 25.4285, 11.5409

Complementary

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



19.3048, 25.4285, 47.0707



19.2629, 10.5838, 1.0285

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.



25.9361, 25.4285, 11.3204



19.3048, 25.4285, 47.0707



32.2745, 25.4285, 21.7455

Square

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



19.3048, 25.4285, 47.0707



30.2267, 25.4285, 45.5401



29.7885, 25.4285, 14.5241



18.9801, 25.4285, 15.2423

Rectangle

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



19.3048, 25.4285, 47.0707



25.1167, 25.4285, 55.7277



29.7885, 25.4285, 14.5241



23.2455, 25.4285, 11.1020

Sweetspot

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



19.3056, 25.4294, 47.0713



56.7500, 66.8051, 88.1982



16.5200, 32.7223, 6.4840



11.7654, 14.0493, 19.0139



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.3056, 25.4294, 47.0713



34.8581, 45.8159, 85.3008



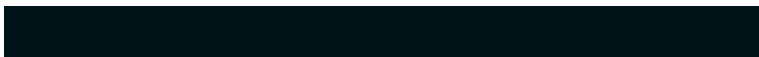
10.0174, 6.8529, 43.9753



8.6238, 9.3937, 10.8650



13.5142, 17.8288, 32.8660



0.4563, 0.6232, 1.0445

Inverse Universe

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



24.4090, 11.9385, 30.2969



44.1839, 21.6161, 54.5457



25.1855, 22.4289, 3.0027



8.7900, 8.6227, 10.3928



17.0560, 8.3400, 21.2527



0.5524, 0.2687, 0.7514

Previews

White Background



This preview shows how the XYZ color 19.3048, 25.4285, 47.0707 looks on a white background.

Color Contrast Check

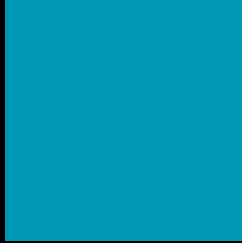
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3048, 25.4285, 47.0707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

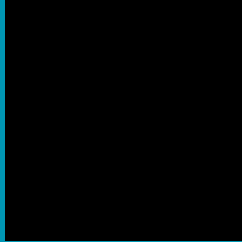
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.3048, 25.4285, 47.0707

Background



This preview shows how black text looks on a background with the XYZ color 19.3048, 25.4285, 47.0707.

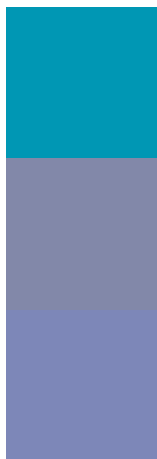


This preview shows how white text looks on a background with the XYZ color 19.3048, 25.4285,

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

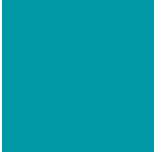
19.3048, 25.4285, 47.0707

Protanopia

25.1715, 25.2187, 41.0771

Deuteranopia

25.7731, 25.1486, 48.8432



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



Original Color

19.3048, 25.4285, 47.0707



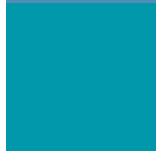
Protanomaly

20.6350, 23.9059, 43.0619



Deuteranomaly

21.3804, 24.1741, 48.3390



Tritanomaly

18.4839, 25.3588, 41.9507

Monochromacy



Original Color

19.3048, 25.4285, 47.0707



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

14.0351, 17.4298, 25.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3048, 25.4285, 47.0707 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, 151, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 180)  
}
```

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, 151, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 180) }
```

Border

The CSS property to change the border of an element to XYZ 19.3048, 25.4285, 47.0707 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, 151, 180) }
```


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

```
.border{ border-color:rgb(0, 151, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3048, 25.4285, 47.0707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 180) }
```

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

```
.background{ background-color: rgb(0, 151,  
180) }
```

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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