

Converting Colors

XYZ(14.8768, 23.0877, 44.7747)

Have a look what the booklet for
XYZ(14.8768, 23.0877, 44.7747)
contains.

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Color

**XYZ(18.9031, 25.2678,
44.9552)**

Conversions

Conversions Part 1

Format	Color
Hex	0097B0
RGB	0, 151, 176
RGB Percent	0%, 59%, 69%
CMY	0.9999, 0.4078, 0.3098
CMYK	1.00, 0.14, 0.00, 0.31
HSL	189°, 100%, 35%
HSV	189°, 100%, 69%
XYZ	18.9031, 25.2678, 44.9552
YIQ	108.7010, -98.0210, -24.2370

Conversions

Conversions Part 2

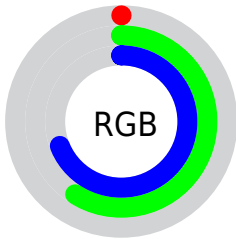
Format	Color
RYB	0, 81, 176
Decimal	38832
CIELab	57.34, -24.25, -22.49
CIELCh	57, 33.067, 222.843
Yxy	25.2678, 0.2121, 0.2835
Android (android.graphics.Color)	4278228912 (0xFF0097B0)
YUV	108.7010, 33.1784, -95.3308
Hunter-Lab	50.2671, -20.8419, -17.8377

Details

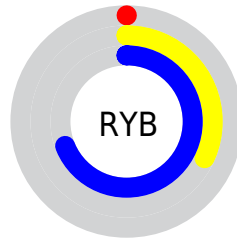
The XYZ color **18.9031, 25.2678, 44.9552** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.2533, 9.9270, 0.9551**, and the grayscale version is **14.3835, 15.1325, 16.4793**.

A 20% lighter version of the original color is **41.2529, 52.3485, 84.2739**, and **8.1323, 10.5444, 20.3455** is the 20% darker color. If you saturate the color by 10%, you get **18.9027, 25.2669, 44.9555**, and if you desaturate by 10%, it is **19.5529, 26.2070, 45.1027**.

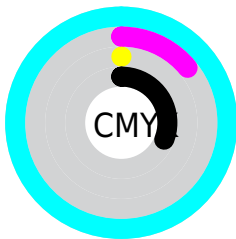
Distribution



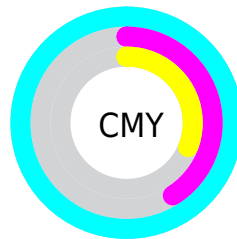
- Red (0%)
- Green (59%)
- Blue (69%)



- Red (0%)
- Yellow (32%)
- Blue (69%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9031, 25.2678, 44.9552 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 18.9031, 25.2678, 44.9552 by changing the saturation by 10% instead.

■ 18.9031, 25.2678,
44.9552

■ 18.9031, 25.2678,
44.9552

■ 238.8617,
279.1690, 382.7469

■ 11.7039, 16.2767,
31.0794

■ 41.0884, 52.0913,
83.9709

■ 6.6131, 9.7202,
20.4004

■ 56.8053, 70.6926,
109.9480

■ 3.2655, 5.2138,
12.4995

■ 76.0920, 93.2659,
140.7959

■ 1.2957, 2.3733,
6.9581

■ 99.3140, 120.1959,
176.9331

■ 0.1800, 0.8121,
3.3579

■ 126.8366,
151.8667, 218.7783

■ 0.0000, 0.0000,
1.2801

■ 159.0252,

■ 0.0000, 0.0000,

188.6630, 266.7500

0.0454

196.2451,
230.9689, 321.2667

■ 0.0000, 0.0000,
0.0000

■ 18.9031, 25.2678,
44.9552

■ 18.9031, 25.2678,
44.9552

■ 18.9027, 25.2669,
44.9555

■ 19.5529, 26.2070,
45.1027

■ 20.4266, 27.2739,
45.2626

■ 21.6090, 28.5128,
45.4394

■ 23.1394, 29.9440,
45.6350

■ 25.0513, 31.5848,
45.8509

■ 27.3742, 33.4505,
46.0886

■ 30.1347, 35.5550,
46.3494

■ 33.3571, 37.9107,
46.6342

■ 37.0637, 40.5294,
46.9443

Harmonies

Analogous

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



17.3919, 25.2678, 32.5948



18.9031, 25.2678, 44.9552



21.8609, 25.2678, 53.7202

Triad

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



18.9031, 25.2678, 44.9552



31.9617, 25.2678, 34.3835



22.3796, 25.2678, 11.3771

Complementary

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



18.9031, 25.2678, 44.9552



18.2533, 9.9270, 0.9551

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.



26.3089, 25.2678, 11.6121



18.9031, 25.2678, 44.9552



32.1396, 25.2678, 22.9878

Square

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



18.9031, 25.2678, 44.9552



29.5146, 25.2678, 46.5678



29.9772, 25.2678, 15.2899



19.2471, 25.2678, 14.5265

Rectangle

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



18.9031, 25.2678, 44.9552



24.3921, 25.2678, 55.1925



29.9772, 25.2678, 15.2899



23.6444, 25.2678, 11.0945

Sweetspot

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



18.9039, 25.2687, 44.9558



54.3597, 64.2647, 84.0346



15.6857, 31.1152, 6.0161



11.3172, 13.5777, 18.1686



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.9039, 25.2687, 44.9558



34.1553, 45.5702, 81.4910



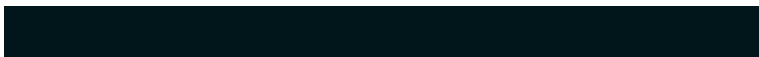
9.7019, 6.8647, 41.8885



8.6377, 9.4216, 10.8696



13.9015, 18.6034, 32.9951



0.4655, 0.6415, 1.0475

Inverse Universe

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



23.4912, 11.4654, 30.2539



42.5390, 20.7668, 54.5269



23.6419, 20.7042, 2.7513



8.7971, 8.6256, 10.4299



17.2515, 8.4182, 22.2822



0.5570, 0.2705, 0.7757

Previews

White Background



This preview shows how the XYZ color 18.9031, 25.2678, 44.9552 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 18.9031, 25.2678, 44.9552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

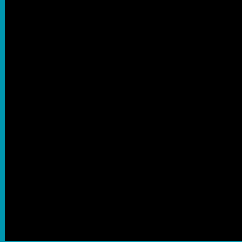
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9031, 25.2678, 44.9552

Background



This preview shows how black text looks on a background with the XYZ color 18.9031, 25.2678, 44.9552.

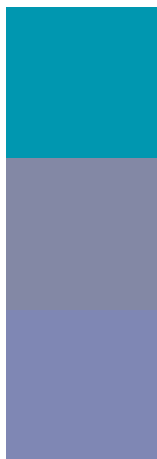


This preview shows how white text looks on a background with the XYZ color 18.9031, 25.2678,

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

18.9031, 25.2678, 44.9552

Protanopia

24.9558, 25.1502, 39.1365

Deuteranopia

25.6546, 25.1353, 46.6795



Tritanopia

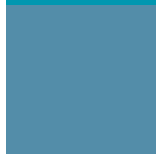
17.9291, 25.1368, 39.0289

Trichromacy



Original Color

18.9031, 25.2678, 44.9552



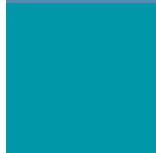
Protanomaly

20.2536, 23.7533, 41.0535



Deuteranomaly

21.0549, 24.0538, 46.1810



Tritanomaly

18.2961, 25.2836, 40.9617

Monochromacy



Original Color

18.9031, 25.2678, 44.9552



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.8955, 17.3740, 24.8114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9031, 25.2678, 44.9552 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.9031, 25.2678, 44.9552 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, 176) }
```


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

```
.border{ border-color:rgb(0, 151, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9031, 25.2678, 44.9552 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, 176) }
```

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

```
.background{ background-color: rgb(0, 151,  
176) }
```

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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