

Converting Colors

XYZ(16.5521, 24.3963, 43.6820)

Have a look what the booklet for
XYZ(16.5521, 24.3963, 43.6820)
contains.

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Color

**XYZ(18.8682, 25.5125,
43.9743)**

Conversions

Conversions Part 1

Format	Color
Hex	0098AE
RGB	0, 152, 174
RGB Percent	0%, 60%, 68%
CMY	0.9999, 0.4039, 0.3176
CMYK	1.00, 0.13, 0.00, 0.32
HSL	188°, 100%, 34%
HSV	188°, 100%, 68%
XYZ	18.8682, 25.5125, 43.9743
YIQ	109.0600, -97.6540, -25.3820

Conversions

Conversions Part 2

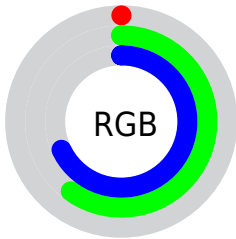
Format	Color
RYB	0, 81, 174
Decimal	39086
CIELab	57.57, -25.44, -20.99
CIELCh	58, 32.981, 219.520
Yxy	25.5125, 0.2135, 0.2887
Android (android.graphics.Color)	4278229166 (0xFF0098AE)
YUV	109.0600, 32.0154, -95.6456
Hunter-Lab	50.5099, -21.7128, -16.2614

Details

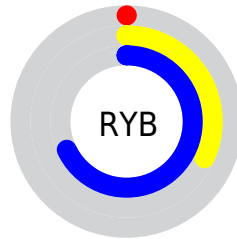
The XYZ color **18.8682, 25.5125, 43.9743** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.7434, 9.5737, 0.9136**, and the grayscale version is **14.4875, 15.2420, 16.5985**.

A 20% lighter version of the original color is **41.2118, 52.7185, 82.8665**, and **8.1665, 10.7125, 20.0497** is the 20% darker color. If you saturate the color by 10%, you get **18.8681, 25.5120, 43.9747**, and if you desaturate by 10%, it is **19.4680, 26.3573, 44.1062**.

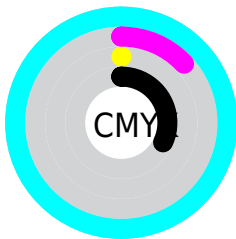
Distribution



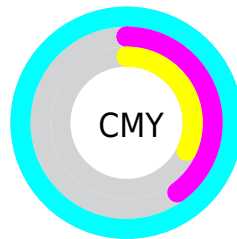
- Red (0%)
- Green (60%)
- Blue (68%)



- Red (0%)
- Yellow (32%)
- Blue (68%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (40%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8682, 25.5125, 43.9743 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 18.8682, 25.5125, 43.9743 by changing the saturation by 10% instead.

■ 18.8682, 25.5125,
43.9743

■ 18.8682, 25.5125,
43.9743

■ 238.6723,
280.3807, 378.6417

■ 11.6785, 16.4593,
30.3133

■ 41.0299, 52.4874,
82.4811

■ 6.5958, 9.8497,
19.8224

■ 56.7326, 71.1780,
108.1640

■ 3.2547, 5.2994,
12.0832

■ 76.0036, 93.8497,
138.6912

■ 1.2898, 2.4240,
6.6772

■ 99.2085, 120.8871,
174.4814

■ 0.1756, 0.8382,
3.1857

■ 126.7124,
152.6745, 215.9529

■ 0.0000, 0.0000,
1.1902

■ 158.8808,

■ 0.0000, 0.0000,

189.5963, 263.5245

0.0000

196.0789,
232.0369, 317.6145

■ 18.8682, 25.5125,
43.9743

■ 18.8682, 25.5125,
43.9743

■ 18.8681, 25.5120,
43.9747

■ 19.4680, 26.3573,
44.1062

■ 20.2836, 27.3227,
44.2496

■ 21.3980, 28.4521,
44.4089

■ 22.8497, 29.7654,
44.5858

■ 24.6711, 31.2793,
44.7821

■ 26.8909, 33.0087,
44.9989

■ 29.5349, 34.9668,
45.2375

■ 32.6266, 37.1661,
45.4990

■ 36.1879, 39.6176,
45.7845

Harmonies

Analogous

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



17.5263, 25.5125, 31.5187



18.8682, 25.5125, 43.9743



21.6968, 25.5125, 53.4230

Triad

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



18.8682, 25.5125, 43.9743



32.0495, 25.5125, 36.0708



23.0190, 25.5125, 11.4204

Complementary

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



18.8682, 25.5125, 43.9743



17.7434, 9.5737, 0.9136

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.



26.9936, 25.5125, 12.0230



18.8682, 25.5125, 43.9743



32.5021, 25.5125, 24.3471

Square

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



18.8682, 25.5125, 43.9743



29.3890, 25.5125, 48.0705



30.5660, 25.5125, 16.1459



19.7460, 25.5125, 14.1922

Rectangle

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



18.8682, 25.5125, 43.9743



24.1855, 25.5125, 55.5679



30.5660, 25.5125, 16.1459



24.3124, 25.5125, 11.2566

Sweetspot

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



18.8690, 25.5134, 43.9749



53.2894, 63.2201, 82.0309



15.2658, 30.3243, 5.7257



11.3862, 13.7157, 18.1916



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.



18.8690, 25.5134, 43.9749



34.1100, 46.0469, 79.7270



9.6309, 7.0371, 40.8955



8.1486, 8.8967, 10.2404



13.7149, 18.5637, 31.9048



0.4052, 0.5637, 0.8954

Inverse Universe

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



23.1238, 11.2665, 30.6626



41.8850, 20.4116, 55.3110



22.7462, 19.5794, 2.5812



8.2928, 8.1304, 9.8529



16.7863, 8.1771, 22.3179



0.4789, 0.2322, 0.6836

Previews

White Background



This preview shows how the XYZ color 18.8682, 25.5125, 43.9743 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 18.8682, 25.5125, 43.9743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

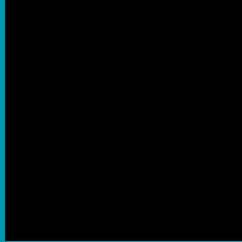
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8682, 25.5125, 43.9743

Background



This preview shows how black text looks on a background with the XYZ color 18.8682, 25.5125, 43.9743.

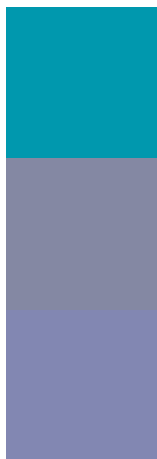


This preview shows how white text looks on a background with the XYZ color 18.8682, 25.5125,

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

18.8682, 25.5125, 43.9743

Protanopia

24.9307, 25.1582, 38.1924

Deuteranopia

25.9058, 25.2881, 45.6352



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



Original Color

18.8682, 25.5125, 43.9743

Protanomaly

20.3042, 24.0208, 40.1256

Deuteranomaly

21.0280, 24.0631, 45.1313

Tritanomaly

18.4591, 25.6096, 41.0160

Monochromacy



Original Color

18.8682, 25.5125, 43.9743

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0215, 17.6259, 24.8534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8682, 25.5125, 43.9743 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, 152, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 174)  
}
```

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, 152, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 174) }
```

Border

The CSS property to change the border of an element to XYZ 18.8682, 25.5125, 43.9743 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, 152, 174) }
```


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

```
.border{ border-color:rgb(0, 152, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8682, 25.5125, 43.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 174) }
```

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

```
.background{ background-color: rgb(0, 152,  
174) }
```

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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