

Converting Colors

XYZ(15.1125, 23.2895, 44.4301)

Have a look what the booklet for
XYZ(15.1125, 23.2895, 44.4301)
contains.

XYZ(18.8045, 25.2284, 44.4359)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8045, 25.2284,
44.4359)**

Conversions

Conversions Part 1

Format	Color
Hex	0097AF
RGB	0, 151, 175
RGB Percent	0%, 59%, 69%
CMY	0.9999, 0.4078, 0.3137
CMYK	1.00, 0.14, 0.00, 0.31
HSL	188°, 100%, 34%
HSV	188°, 100%, 69%
XYZ	18.8045, 25.2284, 44.4359
YIQ	108.5870, -97.7000, -24.5480

Conversions

Conversions Part 2

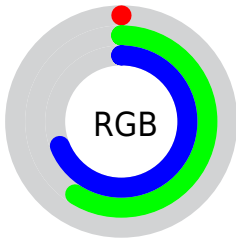
Format	Color
RYB	0, 81, 175
Decimal	38831
CIELab	57.30, -24.59, -21.98
CIELCh	57, 32.978, 221.787
Yxy	25.2284, 0.2126, 0.2852
Android (android.graphics.Color)	4278228911 (0xFF0097AF)
YUV	108.5870, 32.7416, -95.2308
Hunter-Lab	50.2279, -21.0713, -17.2935

Details

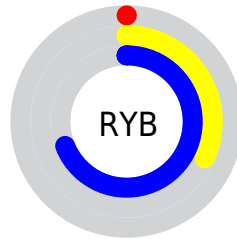
The XYZ color **18.8045, 25.2284, 44.4359** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.0069, 9.7688, 0.9375**, and the grayscale version is **14.3524, 15.0999, 16.4437**.

A 20% lighter version of the original color is **41.1112, 52.2918, 83.5278**, and **8.0700, 10.5195, 20.0175** is the 20% darker color. If you saturate the color by 10%, you get **18.8042, 25.2276, 44.4363**, and if you desaturate by 10%, it is **19.4360, 26.1338, 44.5779**.

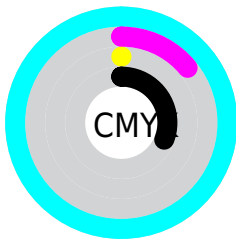
Distribution



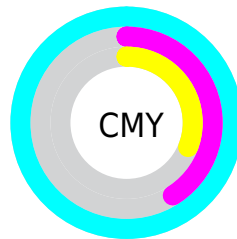
- Red (0%)
- Green (59%)
- Blue (69%)



- 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 18.8045, 25.2284, 44.4359 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 18.8045, 25.2284, 44.4359 by changing the saturation by 10% instead.

■ 18.8045, 25.2284,
44.4359

■ 18.8045, 25.2284,
44.4359

238.3262,
278.9735, 380.5774

■ 11.6323, 16.2473,
30.6736

■ 40.9229, 52.0275,
83.1827

■ 6.5642, 9.6993,
20.0941

■ 56.5998, 70.6143,
109.0044

■ 3.2350, 5.2001,
12.2787

■ 75.8423, 93.1718,
139.6829

■ 1.2792, 2.3651,
6.8089

■ 99.0158, 120.0844,
175.6368

■ 0.1676, 0.8079,
3.2663

■ 126.4855,
151.7365, 217.2847

■ 0.0000, 0.0000,
1.2321

■ 158.6170,

■ 0.0000, 0.0000,

188.5124, 265.0450

0.0052

195.7754,
230.7966, 319.3364

■ 0.0000, 0.0000,
0.0000

■ 18.8045, 25.2284,
44.4359

■ 18.8045, 25.2284,
44.4359

■ 18.8042, 25.2276,
44.4363

■ 19.4360, 26.1338,
44.5779

■ 20.2876, 27.1639,
44.7318

■ 21.4433, 28.3626,
44.9023

■ 22.9419, 29.7499,
45.0911

■ 24.8164, 31.3430,
45.2998

■ 27.0959, 33.1568,
45.5297

■ 29.8065, 35.2050,
45.7822

■ 32.9722, 37.5000,
46.0583

■ 36.6151, 40.0531,
46.3591

Harmonies

Analogous

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



17.3538, 25.2284, 32.1008



18.8045, 25.2284, 44.4359



21.7077, 25.2284, 53.3789

Triad

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



18.8045, 25.2284, 44.4359



31.8421, 25.2284, 34.7537



22.4774, 25.2284, 11.3378

Complementary

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



18.8045, 25.2284, 44.4359



18.0069, 9.7688, 0.9375

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.



26.4031, 25.2284, 11.6871



18.8045, 25.2284, 44.4359



32.1060, 25.2284, 23.3065

Square

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



18.8045, 25.2284, 44.4359



29.3386, 25.2284, 46.8262



30.0247, 25.2284, 15.4868



19.3151, 25.2284, 14.3525

Rectangle

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



18.8045, 25.2284, 44.4359



24.2138, 25.2284, 55.0576



30.0247, 25.2284, 15.4868



23.7454, 25.2284, 11.0940

Sweetspot

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



18.8053, 25.2293, 44.4365



53.1003, 62.8419, 81.9679



15.4889, 30.7239, 5.9438



11.3388, 13.6209, 18.1758



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.



18.8053, 25.2293, 44.4365



33.5578, 44.9425, 79.5430



9.5824, 6.7835, 41.3622



8.1413, 8.8819, 10.2380



13.4992, 18.1324, 31.8329



0.4008, 0.5550, 0.8940

Inverse Universe

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



23.2659, 11.3492, 30.2434



41.6062, 20.3001, 53.8433



23.3473, 20.4495, 2.7176



8.2891, 8.1289, 9.8333



16.6774, 8.1335, 21.7446



0.4767, 0.2314, 0.6722

Previews

White Background



This preview shows how the XYZ color 18.8045, 25.2284, 44.4359 looks on a white background.

Color Contrast Check

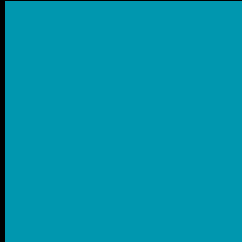
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8045, 25.2284, 44.4359 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

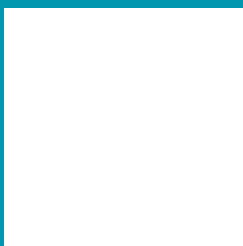
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8045, 25.2284, 44.4359

Background



This preview shows how black text looks on a background with the XYZ color 18.8045, 25.2284, 44.4359.

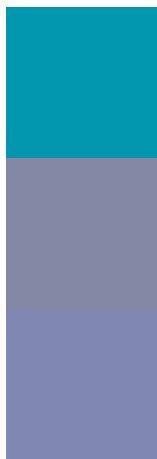


This preview shows how white text looks on a background with the XYZ color 18.8045, 25.2284,

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

18.8045, 25.2284, 44.4359

Protanopia

24.8651, 25.1139, 38.6589

Deuteranopia

25.7027, 25.1718, 46.1518



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

18.8045, 25.2284, 44.4359

Protanomaly

20.1600, 23.7159, 40.5609

Deuteranomaly

20.9541, 24.0134, 45.6501

Tritanomaly

18.2961, 25.2836, 40.9617

Monochromacy



Original Color

18.8045, 25.2284, 44.4359

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 18.8045, 25.2284, 44.4359 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 175) }
```

Border

The CSS property to change the border of an element to XYZ 18.8045, 25.2284, 44.4359 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, 175) }
```


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

```
.border{ border-color:rgb(0, 151, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8045, 25.2284, 44.4359 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, 175) }
```

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

```
.background{ background-color: rgb(0, 151,  
175) }
```

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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