

Converting Colors

XYZ(9.5557, 19.9627, 32.0850)

Have a look what the booklet for
XYZ(9.5557, 19.9627, 32.0850)
contains.

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Color

**XYZ(16.0949, 23.3818,
32.5190)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 009496 |
| RGB | 0, 148, 150 |
| RGB Percent | 0%, 58%, 59% |
| CMY | 0.9999, 0.4196, 0.4118 |
| CMYK | 1.00, 0.01, 0.00, 0.41 |
| HSL | 181°, 100%, 29% |
| HSV | 181°, 100%, 59% |
| XYZ | 16.0949, 23.3818, 32.5190 |
| YIQ | 103.9760, -88.8500, -30.7540 |

Conversions

Conversions Part 2

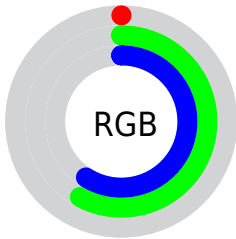
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 74, 150 |
| Decimal | 38038 |
| CIELab | 55.46, -31.41, -10.47 |
| CIELCh | 55, 33.111, 198.442 |
| Yxy | 23.3818, 0.2236, 0.3248 |
| Android (android.graphics.Color) | 4278228118 (0xFF009496) |
| YUV | 103.9760, 22.6898, -91.1870 |
| Hunter-Lab | 48.3547, -25.2070, -6.0248 |

Details

The XYZ color **16.0949, 23.3818, 32.5190** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.5999, 6.5280, 0.5966**, and the grayscale version is **13.1119, 13.7948, 15.0225**.

A 20% lighter version of the original color is **36.3748, 49.1954, 64.7052**, and **6.5268, 9.4502, 13.2845** is the 20% darker color. If you saturate the color by 10%, you get **16.0953, 23.3824, 32.5195**, and if you desaturate by 10%, it is **16.3241, 23.5470, 32.5393**.

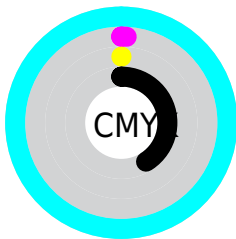
Distribution



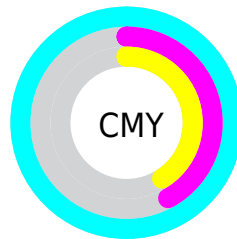
- Red (0%)
- Green (58%)
- Blue (59%)



- Red (0%)
- Yellow (29%)
- Blue (59%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (100%)
- Magenta (42%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0949, 23.3818, 32.5190 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 16.0949, 23.3818, 32.5190 by changing the saturation by 10% instead.

 16.0949, 23.3818,
32.5190


 16.0949, 23.3818,
32.5190


223.1604,
269.6800, 328.0420


 9.6826, 14.8757,
21.4901


 36.3190, 49.0195,
64.7312


 5.2497, 8.7322,
13.2880


 50.8615, 66.9198,
86.7515


 2.4307, 4.5669,
7.4941


 68.8448, 88.7204,
113.2728

 0.8605, 1.9955,
3.6899

 90.6342, 114.8055,
144.7136

 0.0000, 0.6048,
1.4568

 116.5952,
145.5597, 181.4924

 0.0000, 0.0000,
0.1854

 147.0929,

 0.0000, 0.0000,

181.3672, 224.0276

0.0000

182.4929,
222.6125, 272.7380

■ 16.0949, 23.3818,
32.5190

■ 16.0949, 23.3818,
32.5190

■ 16.0953, 23.3824,
32.5195

■ 16.3241, 23.5470,
32.5393

■ 16.6942, 23.7845,
32.5656

■ 17.2728, 24.1296,
32.6017

■ 18.0860, 24.5956,
32.6488

■ 19.1562, 25.1942,
32.7079

■ 20.5031, 25.9356,
32.7800

■ 22.1445, 26.8288,
32.8659

■ 24.0968, 27.8824,
32.9664

■ 26.3751, 29.1042,
33.0821

Harmonies

Analogous

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



15.9160, 23.3818, 21.5639



16.0949, 23.3818, 32.5190



17.8005, 23.3818, 44.1120

Triad

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



16.0949, 23.3818, 32.5190



28.0291, 23.3818, 41.6457



23.6908, 23.3818, 10.1801

Complementary

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



16.0949, 23.3818, 32.5190



12.5999, 6.5280, 0.5966

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.



27.3249, 23.3818, 12.9821



16.0949, 23.3818, 32.5190



30.0102, 23.3818, 29.7966

Square

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



16.0949, 23.3818, 32.5190



24.5687, 23.3818, 50.3144



29.7390, 23.3818, 19.5025



20.0329, 23.3818, 10.5302

Rectangle

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



16.0949, 23.3818, 32.5190



19.6930, 23.3818, 49.7155



29.7390, 23.3818, 19.5025



24.9624, 23.3818, 10.7436

Sweetspot

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



16.0956, 23.3827, 32.5196



38.8889, 47.2429, 57.9904



10.9069, 21.8132, 3.6361



8.3633, 10.3312, 12.8382



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.0956, 23.3827, 32.5196



28.3933, 41.2424, 57.3853



8.0222, 7.2359, 29.8284



5.9576, 6.5491, 7.4198



13.3509, 19.3966, 26.9713



0.1651, 0.2408, 0.3307

Inverse Universe

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



17.9236, 8.6228, 28.7376



31.6247, 15.2140, 50.6854



15.0948, 11.5179, 1.4282



6.0320, 5.9079, 7.2748



14.8660, 7.1514, 23.8390



0.1828, 0.0879, 0.2963

Previews

White Background



This preview shows how the XYZ color 16.0949, 23.3818, 32.5190 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 16.0949, 23.3818, 32.5190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

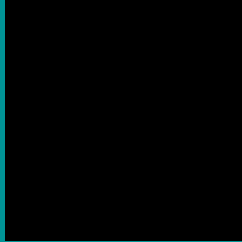
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0949, 23.3818, 32.5190

Background



This preview shows how black text looks on a background with the XYZ color 16.0949, 23.3818, 32.5190.

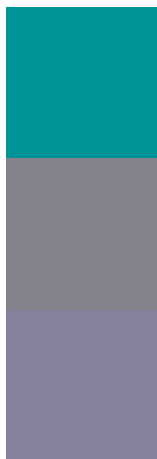


This preview shows how white text looks on a background with the XYZ color 16.0949, 23.3818,

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

16.0949, 23.3818, 32.5190

Protanopia

22.3656, 23.0316, 28.0777

Deuteranopia

23.5145, 23.1019, 33.7916



Tritanopia

17.0926, 23.5773, 36.4509

Trichromacy



Original Color

16.0949, 23.3818, 32.5190

Protanomaly

17.6359, 21.7898, 29.6619

Deuteranomaly

18.3002, 21.8395, 33.3879

Tritanomaly

16.6482, 23.3779, 35.0874

Monochromacy



Original Color

16.0949, 23.3818, 32.5190

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.4144, 15.9717, 20.5177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0949, 23.3818, 32.5190 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, 148, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 150)  
}
```

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, 148, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.0949, 23.3818, 32.5190 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, 148, 150) }
```


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

```
.border{ border-color:rgb(0, 148, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0949, 23.3818, 32.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 150) }
```

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

```
.background{ background-color: rgb(0, 148,  
150) }
```

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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