

Converting Colors

XYZ(13.3836, 22.5676, 48.1335)

Have a look what the booklet for
XYZ(13.3836, 22.5676, 48.1335)
contains.

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Color

**XYZ(19.6717, 25.8339,
48.2056)**

Conversions

Conversions Part 1

Format	Color
Hex	0098B6
RGB	0, 152, 182
RGB Percent	0%, 60%, 71%
CMY	0.9999, 0.4039, 0.2863
CMYK	1.00, 0.16, 0.00, 0.29
HSL	190°, 100%, 36%
HSV	190°, 100%, 71%
XYZ	19.6717, 25.8339, 48.2056
YIQ	109.9720, -100.2220, -22.8940

Conversions

Conversions Part 2

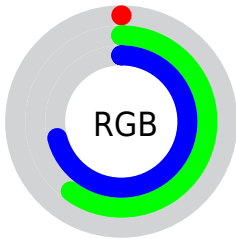
Format	Color
RYB	0, 83, 182
Decimal	39094
CIELab	57.88, -22.69, -25.05
CIElCh	58, 33.798, 227.841
Yxy	25.8339, 0.2099, 0.2757
Android (android.graphics.Color)	4278229174 (0xFF0098B6)
YUV	109.9720, 35.5098, -96.4454
Hunter-Lab	50.8271, -19.8621, -20.6531

Details

The XYZ color **19.6717, 25.8339, 48.2056** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.7568, 10.8753, 1.0587**, and the grayscale version is **14.7379, 15.5055, 16.8854**.

A 20% lighter version of the original color is **42.4648, 53.2316, 88.9255**, and **8.6161, 10.8923, 22.4172** is the 20% darker color. If you saturate the color by 10%, you get **19.6714, 25.8330, 48.2060**, and if you desaturate by 10%, it is **20.4192, 26.9518, 48.3825**.

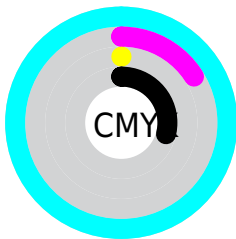
Distribution



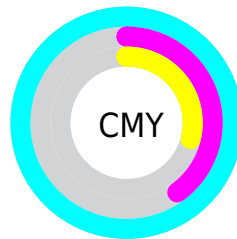
- Red (0%)
- Green (60%)
- Blue (71%)



- Red (0%)
- Yellow (33%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6717, 25.8339, 48.2056 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 19.6717, 25.8339, 48.2056 by changing the saturation by 10% instead.

■ 19.6717, 25.8339,
48.2056

■ 19.6717, 25.8339,
48.2056

■ 242.9998,
281.9658, 396.1387

■ 12.2635, 16.6994,
33.6286

■ 42.3742, 53.0069,
88.8792

■ 6.9969, 10.0204,
22.3334

■ 58.3993, 71.8141,
115.8128

■ 3.5065, 5.4125,
13.9014

■ 78.0273, 94.6145,
147.7024

■ 1.4269, 2.4913,
7.9142

■ 101.6237,
121.7922, 184.9665

■ 0.2753, 0.8723,
3.9531

■ 129.5538,
153.7319, 228.0237

■ 0.0000, 0.0000,
1.5996

■ 162.1829,

■ 0.0000, 0.0000,

190.8177, 277.2924

0.2906

199.8765,
233.4342, 333.1912

■ 0.0000, 0.0000,
0.0000

■ 19.6717, 25.8339,
48.2056

■ 19.6717, 25.8339,
48.2056

■ 19.6714, 25.8330,
48.2060

■ 20.4192, 26.9518,
48.3825

■ 21.4136, 28.2150,
48.5739

■ 22.7444, 29.6702,
48.7846

■ 24.4546, 31.3395,
49.0167

■ 26.5805, 33.2421,
49.2719

■ 29.1543, 35.3944,
49.5517

■ 32.2049, 37.8116,
49.8575

■ 35.7586, 40.5074,
50.1905

■ 39.8399, 43.4945,
50.5520

Harmonies

Analogous

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



17.8386, 25.8339, 35.5615



19.6717, 25.8339, 48.2056



22.9441, 25.8339, 56.1861

Triad

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



19.6717, 25.8339, 48.2056



33.0177, 25.8339, 33.1134



22.2361, 25.8339, 11.7447

Complementary

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



19.6717, 25.8339, 48.2056



19.7568, 10.8753, 1.0587

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.



26.2382, 25.8339, 11.4267



19.6717, 25.8339, 48.2056



32.7739, 25.8339, 21.8113

Square

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



19.6717, 25.8339, 48.2056



30.8179, 25.8339, 45.9929



30.1846, 25.8339, 14.5813



19.2028, 25.8339, 15.6176

Rectangle

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



19.6717, 25.8339, 48.2056



25.6364, 25.8339, 56.6520



30.1846, 25.8339, 14.5813



23.5031, 25.8339, 11.2668

Sweetspot

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



19.6726, 25.8348, 48.2062



58.0742, 68.3093, 90.3599



16.9301, 33.5371, 6.6378



12.2936, 14.6696, 19.9052



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.6726, 25.8348, 48.2062



35.5146, 46.5363, 87.3463



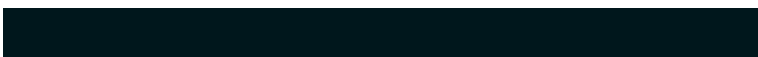
10.2616, 7.0129, 45.0693



9.1373, 9.9518, 11.5187



13.9329, 18.3256, 34.0559



0.5251, 0.7139, 1.2119

Inverse Universe

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



24.9596, 12.2129, 30.7485



45.1745, 22.1101, 55.3458



25.8069, 22.9756, 3.0754



9.3156, 9.1366, 11.0095



17.6464, 8.6323, 21.8224



0.6392, 0.3112, 0.8595

Previews

White Background



This preview shows how the XYZ color 19.6717, 25.8339, 48.2056 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 19.6717, 25.8339, 48.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

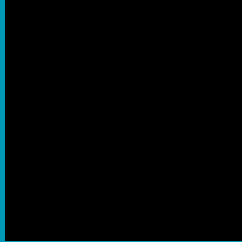
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6717, 25.8339, 48.2056

Background



This preview shows how black text looks on a background with the XYZ color 19.6717, 25.8339, 48.2056.

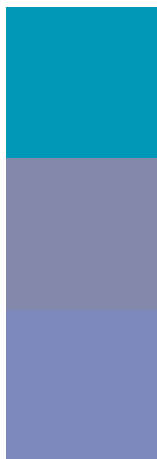


This preview shows how white text looks on a background with the XYZ color 19.6717, 25.8339,

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

19.6717, 25.8339, 48.2056

Protanopia

25.5023, 25.5774, 42.1209

Deuteranopia

26.2713, 25.5891, 50.0089



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



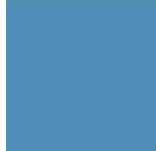
Original Color

19.6717, 25.8339, 48.2056



Protanomaly

20.9781, 24.2801, 44.1383



Deuteranomaly

21.7382, 24.5543, 49.4927



Tritanomaly

18.8376, 25.7610, 43.0093

Monochromacy



Original Color

19.6717, 25.8339, 48.2056



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

14.3033, 17.7469, 25.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6717, 25.8339, 48.2056 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 182) }
```

Border

The CSS property to change the border of an element to XYZ 19.6717, 25.8339, 48.2056 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, 182) }
```


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

```
.border{ border-color:rgb(0, 152, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6717, 25.8339, 48.2056 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, 182) }
```

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

```
.background{ background-color: rgb(0, 152,  
182) }
```

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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