

Converting Colors

XYZ(19.6769, 25.5780, 49.0278)

Have a look what the booklet for
XYZ(19.6769, 25.5780, 49.0278)
contains.

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Color

**XYZ(19.7183, 25.5939,
49.2483)**

Conversions

Conversions Part 1

Format	Color
Hex	0097B8
RGB	0, 151, 184
RGB Percent	0%, 59%, 72%
CMY	0.9999, 0.4078, 0.2784
CMYK	1.00, 0.18, 0.00, 0.28
HSL	191°, 100%, 36%
HSV	191°, 100%, 72%
XYZ	19.7183, 25.5939, 49.2483
YIQ	109.6130, -100.5890, -21.7490

Conversions

Conversions Part 2

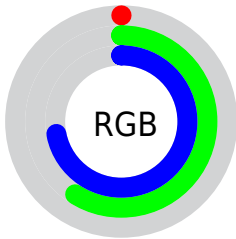
Format	Color
RYB	0, 83, 184
Decimal	38840
CIELab	57.65, -21.46, -26.54
CIELCh	58, 34.133, 231.039
Yxy	25.5939, 0.2085, 0.2707
Android (android.graphics.Color)	4278228920 (0xFF0097B8)
YUV	109.6130, 36.6728, -96.1306
Hunter-Lab	50.5904, -18.9604, -22.3038

Details

The XYZ color **19.7183, 25.5939, 49.2483** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.3123, 11.2800, 1.1076**, and the grayscale version is **14.6325, 15.3945, 16.7646**.

A 20% lighter version of the original color is **42.3834, 52.4407, 90.3263**, and **8.6539, 10.7530, 23.0922** is the 20% darker color. If you saturate the color by 10%, you get **19.7178, 25.5927, 49.2486**, and if you desaturate by 10%, it is **20.5150, 26.8047, 49.4405**.

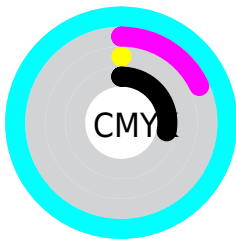
Distribution



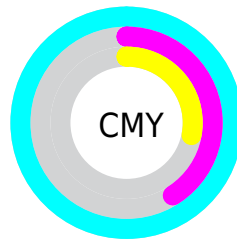
- Red (0%)
- Green (59%)
- Blue (72%)



- Red (0%)
- Yellow (33%)
- Blue (72%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (41%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7183, 25.5939, 49.2483 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 19.7183, 25.5939, 49.2483 by changing the saturation by 10% instead.

■ 19.7183, 25.5939,
49.2483

■ 19.7183, 25.5939,
49.2483

243.2487,
280.7828, 400.3695

■ 12.2975, 16.5201,
34.4495

■ 42.4519, 52.6191,
90.4449

■ 7.0203, 9.8929,
22.9590

■ 58.4955, 71.3392,
117.6798

■ 3.5212, 5.3280,
14.3582

■ 78.1440, 94.0436,
149.8972

■ 1.4350, 2.4410,
8.2286

■ 101.7629,
121.1166, 187.5155

■ 0.2810, 0.8469,
4.1517

■ 129.7175,
152.9427, 230.9534

■ 0.0000, 0.0000,
1.7089

■ 162.3730,

■ 0.0000, 0.0000,

189.9061, 280.6293

0.3669

200.0950,
232.3914, 336.9618

■ 0.0000, 0.0000,
0.0000

■ 19.7183, 25.5939,
49.2483

■ 19.7183, 25.5939,
49.2483

■ 19.7178, 25.5927,
49.2486

■ 20.5150, 26.8047,
49.4405

■ 21.5680, 28.1694,
49.6484

■ 22.9681, 29.7355,
49.8769

■ 24.7597, 31.5260,
50.1281

■ 26.9800, 33.5603,
50.4038

■ 29.6623, 35.8557,
50.7054

■ 32.8361, 38.4276,
51.0346

■ 36.5287, 41.2902,
51.3925

■ 40.7651, 44.4566,
51.7804

Harmonies

Analogous

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



17.7129, 25.5939, 36.7387



19.7183, 25.5939, 49.2483



23.1243, 25.5939, 56.4815

Triad

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



19.7183, 25.5939, 49.2483



32.9296, 25.5939, 31.5164



21.6166, 25.5939, 11.7150

Complementary

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



19.7183, 25.5939, 49.2483



20.3123, 11.2800, 1.1076

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.



25.5691, 25.5939, 11.0416



19.7183, 25.5939, 49.2483



32.4095, 25.5939, 20.5532

Square

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



19.7183, 25.5939, 49.2483



30.9520, 25.5939, 44.5209



29.6013, 25.5939, 13.7912



18.7207, 25.5939, 15.9906

Rectangle

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



19.7183, 25.5939, 49.2483



25.8598, 25.5939, 56.2552



29.6013, 25.5939, 13.7912



22.8545, 25.5939, 11.1181

Sweetspot

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



19.7192, 25.5948, 49.2489



59.2022, 69.4048, 92.4808



17.3844, 34.3789, 6.9948



12.2242, 14.5307, 19.8820



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.



19.7192, 25.5948, 49.2489



35.5828, 46.0718, 89.2219



10.3400, 6.8365, 46.1225



9.1260, 9.9292, 11.5150



13.6361, 17.7319, 33.9570



0.5170, 0.6976, 1.2092

Inverse Universe

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



25.3538, 12.4256, 30.3411



45.8776, 22.4905, 54.5689



26.8107, 24.2767, 3.2737



9.3099, 9.1343, 10.9795



17.4966, 8.5724, 21.0335



0.6351, 0.3095, 0.8379

Previews

White Background



This preview shows how the XYZ color 19.7183, 25.5939, 49.2483 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 19.7183, 25.5939, 49.2483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

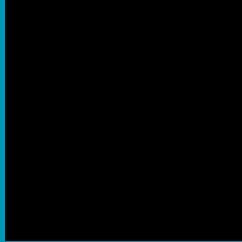
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7183, 25.5939, 49.2483

Background



This preview shows how black text looks on a background with the XYZ color 19.7183, 25.5939, 49.2483.

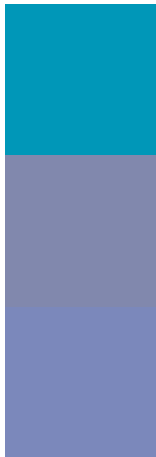


This preview shows how white text looks on a background with the XYZ color 19.7183, 25.5939,

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

19.7183, 25.5939, 49.2483

Protanopia

25.4002, 25.2926, 43.0784

Deuteranopia

25.9422, 25.4071, 50.5505



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



Original Color

19.7183, 25.5939, 49.2483

Protanomaly

20.9404, 24.0179, 45.1272

Deuteranomaly

21.5297, 24.2146, 49.9935

Tritanomaly

18.6746, 25.4350, 42.9549

Monochromacy



Original Color

19.7183, 25.5939, 49.2483

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3748, 17.7755, 26.3403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7183, 25.5939, 49.2483 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.7183, 25.5939, 49.2483 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, 184) }
```


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

```
.border{ border-color:rgb(0, 151, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7183, 25.5939, 49.2483 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, 184) }
```

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

```
.background{ background-color: rgb(0, 151,  
184) }
```

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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