

Converting Colors

XYZ(11.8126, 21.2193, 47.0300)

Have a look what the booklet for
XYZ(11.8126, 21.2193, 47.0300)
contains.

XYZ(19.2468, 25.1489, 47.5559)	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(19.2468, 25.1489,
47.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	0096B5
RGB	0, 150, 181
RGB Percent	0%, 59%, 71%
CMY	0.9999, 0.4118, 0.2902
CMYK	1.00, 0.17, 0.00, 0.29
HSL	190°, 100%, 35%
HSV	190°, 100%, 71%
XYZ	19.2468, 25.1489, 47.5559
YIQ	108.6840, -99.3510, -22.1590

Conversions

Conversions Part 2

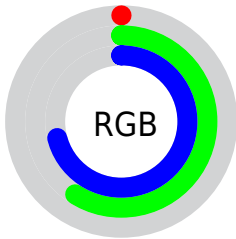
Format	Color
RYB	0, 82, 181
Decimal	38581
CIELab	57.22, -21.99, -25.50
CIELCh	57, 33.674, 229.229
Yxy	25.1489, 0.2093, 0.2735
Android (android.graphics.Color)	4278228661 (0xFF0096B5)
YUV	108.6840, 35.6518, -95.3159
Hunter-Lab	50.1487, -19.2528, -21.1205

Details

The XYZ color **19.2468, 25.1489, 47.5559** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.5472, 10.8054, 1.0563**, and the grayscale version is **14.3718, 15.1203, 16.4660**.

A 20% lighter version of the original color is **41.5982, 51.7331, 87.9138**, and **8.3581, 10.4822, 22.0048** is the 20% darker color. If you saturate the color by 10%, you get **19.2464, 25.1479, 47.5562**, and if you desaturate by 10%, it is **20.0005, 26.2821, 47.7354**.

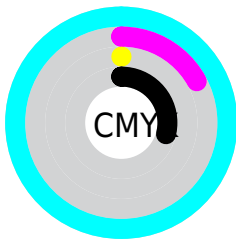
Distribution



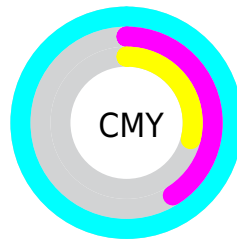
- Red (0%)
- Green (59%)
- Blue (71%)



- Red (0%)
- Yellow (32%)
- Blue (71%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (41%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2468, 25.1489, 47.5559 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 19.2468, 25.1489, 47.5559 by changing the saturation by 10% instead.

■ 19.2468, 25.1489,
47.5559

■ 19.2468, 25.1489,
47.5559

■ 240.7199,
278.5787, 393.4869

■ 11.9538, 16.1880,
33.1178

■ 41.6644, 51.8987,
87.9015

■ 6.7842, 9.6573,
21.9449

■ 57.5197, 70.4564,
114.6461

■ 3.3726, 5.1723,
13.6185

■ 76.9598, 92.9818,
146.3299

■ 1.3537, 2.3487,
7.7201

■ 100.3500,
119.8593, 183.3715

■ 0.2229, 0.7993,
3.8312

■ 128.0558,
151.4734, 226.1895

■ 0.0000, 0.0000,
1.5332

■ 160.4425,

■ 0.0000, 0.0000,

188.2084, 275.2024

0.2425

197.8754,
230.4487, 330.8287

■ 0.0000, 0.0000,
0.0000

■ 19.2468, 25.1489,
47.5559

■ 19.2468, 25.1489,
47.5559

■ 19.2464, 25.1479,
47.5562

■ 20.0005, 26.2821,
47.7354

■ 20.9988, 27.5605,
47.9296

■ 22.3301, 29.0304,
48.1431

■ 24.0369, 30.7137,
48.3780

■ 26.1551, 32.6291,
48.6361

■ 28.7164, 34.7931,
48.9188

■ 31.7494, 37.2205,
49.2275

■ 35.2800, 39.9249,
49.5634

■ 39.3324, 42.9188,
49.9277

Harmonies

Analogous

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



17.3823, 25.1489, 35.2522



19.2468, 25.1489, 47.5559



22.5017, 25.1489, 55.0429

Triad

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



19.2468, 25.1489, 47.5559



32.2351, 25.1489, 31.6855



21.4709, 25.1489, 11.4664

Complementary

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



19.2468, 25.1489, 47.5559



19.5472, 10.8054, 1.0563

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.



25.3619, 25.1489, 11.0045



19.2468, 25.1489, 47.5559



31.8799, 25.1489, 20.7815

Square

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



19.2468, 25.1489, 47.5559



30.1786, 25.1489, 44.3300



29.2560, 25.1489, 13.9146



18.5644, 25.1489, 15.4211

Rectangle

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



19.2468, 25.1489, 47.5559



25.1515, 25.1489, 55.2062



29.2560, 25.1489, 13.9146



22.6970, 25.1489, 10.9489

Sweetspot

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



19.2476, 25.1498, 47.5565



56.5591, 66.4232, 88.1346



16.7613, 33.1431, 6.7550



11.7190, 13.9564, 18.9985



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.2476, 25.1498, 47.5565



34.3219, 44.7435, 85.1220



9.9754, 6.6053, 44.4658



8.6163, 9.3789, 10.8625



13.3123, 17.4250, 32.7987



0.4515, 0.6136, 1.0429

Inverse Universe

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



24.5618, 12.0266, 29.8818



43.9133, 21.5079, 53.1205



25.8547, 23.4204, 3.1588



8.7863, 8.6212, 10.3731



16.9541, 8.2992, 20.7161



0.5499, 0.2677, 0.7386

Previews

White Background



This preview shows how the XYZ color 19.2468, 25.1489, 47.5559 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 19.2468, 25.1489, 47.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

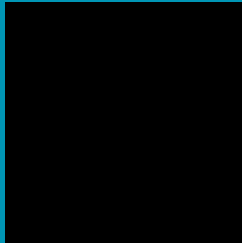
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2468, 25.1489, 47.5559

Background



This preview shows how black text looks on a background with the XYZ color 19.2468, 25.1489, 47.5559.

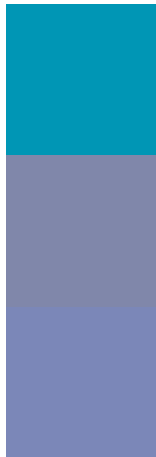


This preview shows how white text looks on a background with the XYZ color 19.2468, 25.1489,

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

19.2468, 25.1489, 47.5559

Protanopia

24.8218, 24.8194, 41.5126

Deuteranopia

25.4841, 24.9996, 48.8296



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

19.2468, 25.1489, 47.5559

Protanomaly

20.4114, 23.5615, 43.5164

Deuteranomaly

21.0672, 23.7948, 48.2822

Tritanomaly

18.3223, 25.0355, 41.8969

Monochromacy



Original Color

19.2468, 25.1489, 47.5559

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0351, 17.4298, 25.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2468, 25.1489, 47.5559 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, 150, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 181)  
}
```

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, 150, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 181) }
```

Border

The CSS property to change the border of an element to XYZ 19.2468, 25.1489, 47.5559 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, 150, 181) }
```


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

```
.border{ border-color:rgb(0, 150, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2468, 25.1489, 47.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 181) }
```

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

```
.background{ background-color: rgb(0, 150,  
181) }
```

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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