

Converting Colors

XYZ(18.9651, 24.9923, 46.2076)

Have a look what the booklet for
XYZ(18.9651, 24.9923, 46.2076)
contains.

XYZ(19.0430, 25.0674, 46.4826)	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>	30

Color

**XYZ(19.0430, 25.0674,
46.4826)**

Conversions

Conversions Part 1

Format	Color
Hex	0096B3
RGB	0, 150, 179
RGB Percent	0%, 59%, 70%
CMY	0.9999, 0.4118, 0.2980
CMYK	1.00, 0.16, 0.00, 0.30
HSL	190°, 100%, 35%
HSV	190°, 100%, 70%
XYZ	19.0430, 25.0674, 46.4826
YIQ	108.4560, -98.7090, -22.7810

Conversions

Conversions Part 2

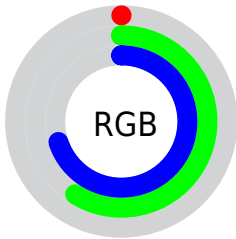
Format	Color
RYB	0, 82, 179
Decimal	38579
CIELab	57.14, -22.69, -24.49
CIELCh	57, 33.384, 227.184
Yxy	25.0674, 0.2102, 0.2767
Android (android.graphics.Color)	4278228659 (0xFF0096B3)
YUV	108.4560, 34.7782, -95.1159
Hunter-Lab	50.0674, -19.7258, -19.9978

Details

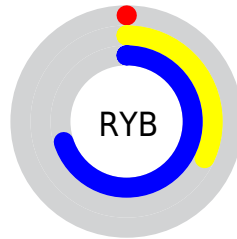
The XYZ color **19.0430, 25.0674, 46.4826** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.0308, 10.4640, 1.0176**, and the grayscale version is **14.3099, 15.0552, 16.3951**.

A 20% lighter version of the original color is **41.2044, 51.5636, 86.3783**, and **8.2277, 10.4300, 21.3182** is the 20% darker color. If you saturate the color by 10%, you get **19.0427, 25.0665, 46.4829**, and if you desaturate by 10%, it is **19.7602, 26.1332, 46.6510**.

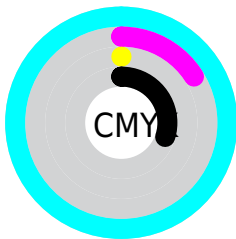
Distribution



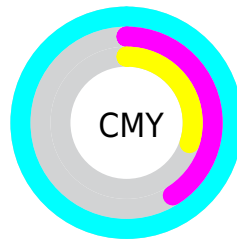
- Red (0%)
- Green (59%)
- Blue (70%)



- Red (0%)
- Yellow (32%)
- Blue (70%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (41%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0430, 25.0674, 46.4826 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 19.0430, 25.0674, 46.4826 by changing the saturation by 10% instead.

■ 19.0430, 25.0674,
46.4826

■ 19.0430, 25.0674,
46.4826

■ 239.6196,
278.1734, 389.0793

■ 11.8055, 16.1273,
32.2754

■ 41.3231, 51.7665,
86.2827

■ 6.6827, 9.6143,
21.3054

■ 57.0964, 70.2944,
112.7126

■ 3.3090, 5.1440,
13.1540

■ 76.4457, 92.7869,
144.0539

■ 1.3192, 2.3320,
7.4027

■ 99.7363, 119.6284,
180.7251

■ 0.1975, 0.7906,
3.6330

■ 127.3337,
151.2035, 223.1447

■ 0.0000, 0.0000,
1.4262

■ 159.6031,

■ 0.0000, 0.0000,

187.8964, 271.7312

0.1620

196.9100,
230.0916, 326.9032

■ 0.0000, 0.0000,
0.0000

■ 19.0430, 25.0674,
46.4826

■ 19.0430, 25.0674,
46.4826

■ 19.0427, 25.0665,
46.4829

■ 19.7602, 26.1332,
46.6510

■ 20.7138, 27.3376,
46.8332

■ 21.9908, 28.7259,
47.0339

■ 23.6324, 30.3195,
47.2550

■ 25.6735, 32.1366,
47.4981

■ 28.1450, 34.1931,
47.7648

■ 31.0745, 36.5034,
48.0563

■ 34.4874, 39.0808,
48.3739

■ 38.4071, 41.9374,
48.7187

Harmonies

Analogous

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



17.3017, 25.0674, 34.2124



19.0430, 25.0674, 46.4826



22.1860, 25.0674, 54.3565

Triad

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



19.0430, 25.0674, 46.4826



31.9944, 25.0674, 32.3903



21.6589, 25.0674, 11.3811

Complementary

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



19.0430, 25.0674, 46.4826



19.0308, 10.4640, 1.0176

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.



25.5445, 25.0674, 11.1441



19.0430, 25.0674, 46.4826



31.8130, 25.0674, 21.3777

Square

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



19.0430, 25.0674, 46.4826



29.8203, 25.0674, 44.8363



29.3491, 25.0674, 14.2812



18.6938, 25.0674, 15.0534

Rectangle

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



19.0430, 25.0674, 46.4826



24.7850, 25.0674, 54.9440



29.3491, 25.0674, 14.2812



22.8917, 25.0674, 10.9418

Sweetspot

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



19.0438, 25.0683, 46.4832



55.3572, 65.1477, 86.0383



16.3170, 32.3193, 6.4076



11.7613, 14.0411, 19.0126



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.



19.0438, 25.0683, 46.4832



33.9649, 44.6136, 83.2023



9.8964, 6.7735, 43.4341



8.6231, 9.3924, 10.8648



13.4963, 17.7929, 32.8600



0.4559, 0.6223, 1.0443

Inverse Universe

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



24.0961, 11.7865, 29.8601



43.0833, 21.0795, 53.1028



24.8779, 22.1581, 2.9666



8.7897, 8.6226, 10.3910



17.0469, 8.3363, 21.2050



0.5521, 0.2686, 0.7502

Previews

White Background



This preview shows how the XYZ color 19.0430, 25.0674, 46.4826 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 19.0430, 25.0674, 46.4826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

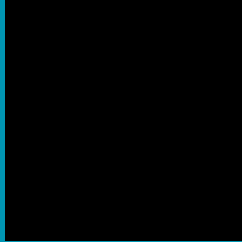
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0430, 25.0674, 46.4826

Background



This preview shows how black text looks on a background with the XYZ color 19.0430, 25.0674, 46.4826.

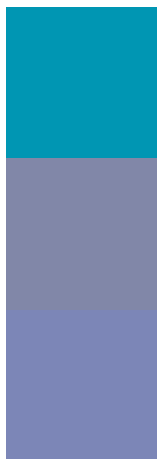


This preview shows how white text looks on a background with the XYZ color 19.0430, 25.0674,

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

19.0430, 25.0674, 46.4826

Protanopia

24.7851, 24.8222, 40.5306

Deuteranopia

25.3845, 24.7542, 48.2399

Trichromacy



Original Color

19.0430, 25.0674, 46.4826

Protanomaly

20.3042, 23.5286, 42.5010

Deuteranomaly

21.0460, 23.7958, 47.7398

Monochromacy



Original Color

19.0430, 25.0674, 46.4826

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8403, 17.1524, 25.1355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0430, 25.0674, 46.4826 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 179) }
```

Border

The CSS property to change the border of an element to XYZ 19.0430, 25.0674, 46.4826 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, 179) }
```

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

```
.border{ border-color:rgb(0, 150, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
179) }
```


Background

The CSS property to change the background color of an element to XYZ 19.0430, 25.0674, 46.4826 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, 179) }
```

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

```
.background{ background-color: rgb(0, 150,  
179) }
```

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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