

Converting Colors

XYZ(18.6712, 24.1617, 46.8578)

Have a look what the booklet for
XYZ(18.6712, 24.1617, 46.8578)
contains.

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Color

**XYZ(18.6719, 24.1627,
46.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	0093B4
RGB	0, 147, 180
RGB Percent	0%, 58%, 71%
CMY	0.9999, 0.4235, 0.2941
CMYK	1.00, 0.18, 0.00, 0.29
HSL	191°, 100%, 35%
HSV	191°, 100%, 71%
XYZ	18.6719, 24.1627, 46.8598
YIQ	106.8090, -98.2050, -20.9010

Conversions

Conversions Part 2

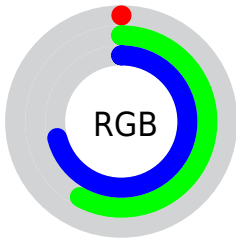
Format	Color
RYB	0, 81, 180
Decimal	37812
CIELab	56.25, -20.76, -26.43
CIELCh	56, 33.610, 231.848
Yxy	24.1627, 0.2082, 0.2694
Android (android.graphics.Color)	4278227892 (0xFF0093B4)
YUV	106.8090, 36.0832, -93.6715
Hunter-Lab	49.1556, -18.2185, -22.1120

Details

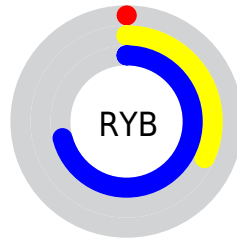
The XYZ color **18.6719, 24.1627, 46.8598** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.3675, 10.7929, 1.0634**, and the grayscale version is **13.8480, 14.5692, 15.8658**.

A 20% lighter version of the original color is **40.6431, 50.2091, 86.9061**, and **8.0136, 9.8980, 21.5668** is the 20% darker color. If you saturate the color by 10%, you get **18.6714, 24.1615, 46.8601**, and if you desaturate by 10%, it is **19.4430, 25.3335, 47.0456**.

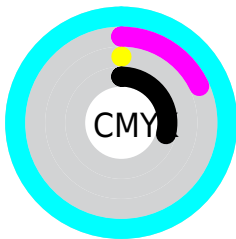
Distribution



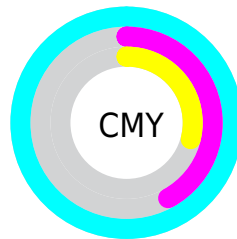
- Red (0%)
- Green (58%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (42%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6719, 24.1627, 46.8598 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 18.6719, 24.1627, 46.8598 by changing the saturation by 10% instead.

18.6719, 24.1627,
46.8598

18.6719, 24.1627,
46.8598

237.6045,
273.6420, 390.6322

11.5360, 15.4544,
32.5713

40.7001, 50.2956,
86.8521

6.4985, 9.1389,
21.5298

56.3232, 68.4889,
113.3930

3.1940, 4.8319,
13.3168

75.5060, 90.6127,
144.8550

1.2572, 2.1490,
7.5138

98.6140, 117.0513,
181.6568

0.1508, 0.6919,
3.7022

126.0125,
148.1891, 224.2169

0.0000, 0.0000,
1.4634

158.0668,

0.0000, 0.0000,

184.4106, 272.9538

0.1904

195.1424,
226.1001, 328.2860

■ 0.0000, 0.0000,
0.0000

■ 18.6719, 24.1627,
46.8598

■ 18.6719, 24.1627,
46.8598

■ 18.6714, 24.1615,
46.8601

■ 19.4430, 25.3335,
47.0456

■ 20.4571, 26.6513,
47.2465

■ 21.8020, 28.1617,
47.4672

■ 23.5194, 29.8866,
47.7096

■ 25.6448, 31.8444,
47.9755

■ 28.2096, 34.0515,
48.2663

■ 31.2417, 36.5223,
48.5834

■ 34.7671, 39.2705,
48.9281

■ 38.8094, 42.3085,
49.3014

Harmonies

Analogous

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



16.7325, 24.1627, 35.0565



18.6719, 24.1627, 46.8598



21.9276, 24.1627, 53.5210

Triad

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



18.6719, 24.1627, 46.8598



31.1410, 24.1627, 29.4458



20.3084, 24.1627, 11.0799

Complementary

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



18.6719, 24.1627, 46.8598



19.3675, 10.7929, 1.0634

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.



24.0365, 24.1627, 10.3577



18.6719, 24.1627, 46.8598



30.5821, 24.1627, 19.1531

Square

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



18.6719, 24.1627, 46.8598



29.3235, 24.1627, 41.7789



27.8724, 24.1627, 12.8646



17.6008, 24.1627, 15.2246

Rectangle

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



18.6719, 24.1627, 46.8598



24.5267, 24.1627, 53.1390



27.8724, 24.1627, 12.8646



21.4728, 24.1627, 10.4864

Sweetspot

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



18.6727, 24.1635, 46.8604



56.3333, 65.9718, 88.0593



16.5967, 32.7531, 6.8880



11.6641, 13.8467, 18.9802



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.



18.6727, 24.1635, 46.8604



33.6960, 43.4918, 84.9134



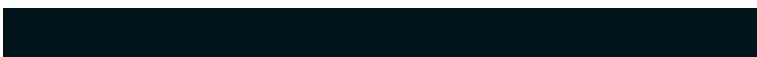
9.7029, 6.2240, 43.8705



8.6075, 9.3613, 10.8596



13.0765, 16.9535, 32.7201



0.4459, 0.6023, 1.0410

Inverse Universe

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



24.0896, 11.8107, 28.6146



43.5974, 21.3815, 51.4570



25.9071, 23.8720, 3.2432



8.7819, 8.6195, 10.3497



16.8351, 8.2516, 20.0894



0.5471, 0.2666, 0.7236

Previews

White Background



This preview shows how the XYZ color 18.6719, 24.1627, 46.8598 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 18.6719, 24.1627, 46.8598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

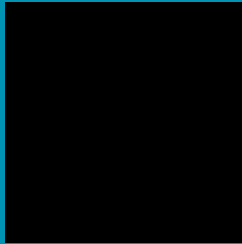
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6719, 24.1627, 46.8598

Background



This preview shows how black text looks on a background with the XYZ color 18.6719, 24.1627, 46.8598.

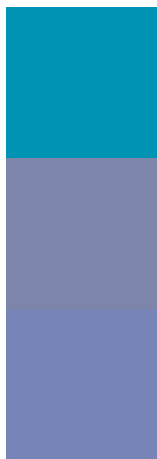


This preview shows how white text looks on a background with the XYZ color 18.6719, 24.1627,

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

18.6719, 24.1627, 46.8598

Protanopia

24.1007, 24.0373, 41.3996

Deuteranopia

24.4063, 23.8434, 48.1156



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



Original Color

18.6719, 24.1627, 46.8598

Protanomaly

20.0367, 22.9384, 43.4159

Deuteranomaly

20.3696, 22.8052, 47.5842

Tritanomaly

17.6578, 24.0070, 40.7489

Monochromacy



Original Color

18.6719, 24.1627, 46.8598

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6465, 16.8692, 25.0911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6719, 24.1627, 46.8598 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, 147, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 180)  
}
```

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, 147, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 180) }
```

Border

The CSS property to change the border of an element to XYZ 18.6719, 24.1627, 46.8598 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, 147, 180) }
```


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

```
.border{ border-color:rgb(0, 147, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6719, 24.1627, 46.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 180) }
```

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

```
.background{ background-color: rgb(0, 147,  
180) }
```

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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