

Converting Colors

XYZ(8.1801, 11.0393, 19.1302)

Have a look what the booklet for
XYZ(8.1801, 11.0393, 19.1302)
contains.

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Color

**XYZ(8.1800, 11.0324,
19.1511)**

Conversions

Conversions Part 1

Format	Color
Hex	006777
RGB	0, 103, 119
RGB Percent	0%, 40%, 47%
CMY	1.0000, 0.5961, 0.5333
CMYK	1.00, 0.13, 0.00, 0.53
HSL	188°, 100%, 23%
HSV	188°, 100%, 47%
XYZ	8.1800, 11.0324, 19.1511
YIQ	74.0270, -66.5240, -16.8600

Conversions

Conversions Part 2

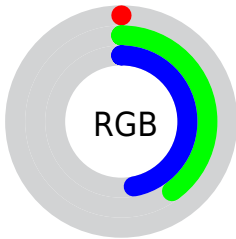
Format	Color
RYB	0, 55, 119
Decimal	26487
CIELab	39.63, -19.05, -16.14
CIELCh	40, 24.967, 220.261
Yxy	11.0324, 0.2132, 0.2876
Android (android.graphics.Color)	4278216567 (0xFF006777)
YUV	74.0270, 22.1717, -64.9217
Hunter-Lab	33.2151, -14.1665, -10.9348

Details

The XYZ color **8.1800, 11.0324, 19.1511** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7934, 4.2929, 0.4182**, and the grayscale version is **6.4848, 6.8226, 7.4298**.

A 20% lighter version of the original color is **21.8868, 27.5880, 42.6995**, and **2.5515, 3.2833, 6.4605** is the 20% darker color. If you saturate the color by 10%, you get **8.1800, 11.0324, 19.1513**, and if you desaturate by 10%, it is **8.4913, 11.4316, 19.2120**.

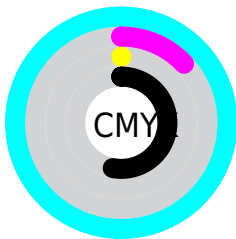
Distribution



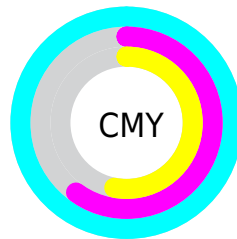
- Red (0%)
- Green (40%)
- Blue (47%)



- Red (0%)
- Yellow (22%)
- Blue (47%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1800, 11.0324, 19.1511 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 8.1800, 11.0324, 19.1511 by changing the saturation by 10% instead.

8.1800, 11.0324,
19.1511

8.1800, 11.0324,
19.1511

171.4770,
197.8897, 259.7321

4.2631, 6.0886,
11.6016

21.9926, 27.7201,
42.8294

1.8520, 2.8991,
6.3538

32.6191, 40.2328,
59.7952

0.5487, 1.0793,
2.9891

46.2127, 56.0372,
80.7369

0.0000, 0.0000,
1.0891

63.1390, 75.5178,
106.0730

0.0000, 0.0000,
0.0000

83.7632, 99.0590,
136.2220

108.4507,

127.0451, 171.6025

137.5669,
159.8605, 212.6330

8.1800, 11.0324,
19.1511

8.1800, 11.0324,
19.1511

8.1800, 11.0324,
19.1513

8.4913, 11.4316,
19.2120

8.8769, 11.8735,
19.2769

9.3890, 12.3852,
19.3487

10.0421, 12.9741,
19.4280

10.8486, 13.6468,
19.5153

■ 11.8195, 14.4088,
19.6112

■ 12.9649, 15.2654,
19.7162

■ 14.2938, 16.2214,
19.8307

■ 15.8150, 17.2812,
19.9550

Harmonies

Analogous

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



7.5821, 11.0324, 13.7619



8.1800, 11.0324, 19.1511



9.4183, 11.0324, 23.1805

Triad

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



8.1800, 11.0324, 19.1511



13.8806, 11.0324, 15.4669



9.9133, 11.0324, 4.9448

Complementary

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



8.1800, 11.0324, 19.1511



7.7934, 4.2929, 0.4182

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.



11.6314, 11.0324, 5.1701



8.1800, 11.0324, 19.1511



14.0501, 11.0324, 10.4178

Square

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



8.1800, 11.0324, 19.1511



12.7482, 11.0324, 20.6859



13.1891, 11.0324, 6.9131



8.5086, 11.0324, 6.1822

Rectangle

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



8.1800, 11.0324, 19.1511



10.5009, 11.0324, 24.0451



13.1891, 11.0324, 6.9131



10.4710, 11.0324, 4.8623

Sweetspot

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



8.1804, 11.0328, 19.1514



23.0463, 27.2112, 35.2907



6.6897, 13.2309, 2.6867



5.2891, 6.3210, 8.3480



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.1804, 11.0328, 19.1514



14.5758, 19.6113, 34.2702



4.2173, 3.1067, 17.8304



3.7434, 4.0754, 4.6796



8.6858, 11.7112, 20.3453



41.8720, 56.1607, 98.9935

Inverse Universe

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



10.0562, 4.9016, 13.2484



17.9709, 8.7621, 23.5312



10.1493, 9.0047, 1.2035



3.8065, 3.7499, 4.5077



10.6813, 5.2062, 14.0618



51.8218, 25.2788, 67.3162

Previews

White Background



This preview shows how the XYZ color 8.1800, 11.0324, 19.1511 looks on a white 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

Black Background



This preview shows how the XYZ color 8.1800, 11.0324, 19.1511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

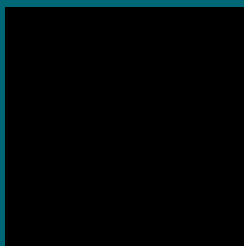
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.1800, 11.0324, 19.1511

Background



This preview shows how black text looks on a background with the XYZ color 8.1800, 11.0324, 19.1511.



This preview shows how white text looks on a background with the XYZ color 8.1800, 11.0324,

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

8.1800, 11.0324, 19.1511

Protanopia

10.8716, 10.9480, 16.8694

Deuteranopia

11.2705, 11.0857, 19.9581



Tritanopia

7.8749, 11.0705, 17.0510

Trichromacy



Original Color

8.1800, 11.0324, 19.1511

Protanomaly

8.9647, 10.4734, 17.7687

Deuteranomaly

9.2096, 10.5584, 19.6417

Tritanomaly

8.0448, 11.1384, 17.9456

Monochromacy



Original Color

8.1800, 11.0324, 19.1511

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

6.2663, 7.8395, 10.8558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1800, 11.0324, 19.1511 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, 103, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 119)  
}
```

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, 103, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 119) }
```

Border

The CSS property to change the border of an element to XYZ 8.1800, 11.0324, 19.1511 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, 103, 119) }
```


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

```
.border{ border-color:rgb(0, 103, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1800, 11.0324, 19.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 119) }
```

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

```
.background{ background-color: rgb(0, 103,  
119) }
```

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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