

Converting Colors

XYZ(8.3183, 11.2270, 19.4502)

Have a look what the booklet for
XYZ(8.3183, 11.2270, 19.4502)
contains.

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Color

**XYZ(8.3405, 11.2567,
19.5025)**

Conversions

Conversions Part 1

Format	Color
Hex	006878
RGB	0, 104, 120
RGB Percent	0%, 41%, 47%
CMY	0.9999, 0.5922, 0.5294
CMYK	1.00, 0.13, 0.00, 0.53
HSL	188°, 100%, 24%
HSV	188°, 100%, 47%
XYZ	8.3405, 11.2567, 19.5025
YIQ	74.7280, -67.1200, -17.0720

Conversions

Conversions Part 2

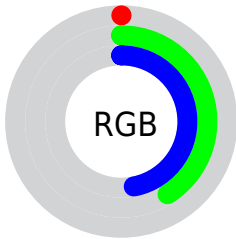
Format	Color
RYB	0, 56, 120
Decimal	26744
CIELab	40.01, -19.23, -16.17
CIELCh	40, 25.127, 220.058
Yxy	11.2567, 0.2133, 0.2879
Android (android.graphics.Color)	4278216824 (0xFF006878)
YUV	74.7280, 22.3191, -65.5365
Hunter-Lab	33.5510, -14.3407, -10.9783

Details

The XYZ color **8.3405, 11.2567, 19.5025** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9314, 4.3642, 0.4248**, and the grayscale version is **6.6097, 6.9539, 7.5728**.

A 20% lighter version of the original color is **22.2283, 27.9990, 43.2625**, and **2.6328, 3.3941, 6.6473** is the 20% darker color. If you saturate the color by 10%, you get **8.3405, 11.2566, 19.5027**, and if you desaturate by 10%, it is **8.6551, 11.6605, 19.5641**.

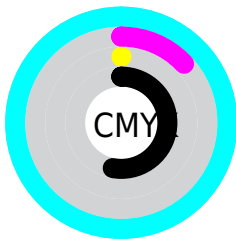
Distribution



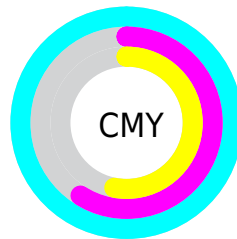
- Red (0%)
- Green (41%)
- Blue (47%)



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



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



- Cyan (100%)
- Magenta (59%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3405, 11.2567, 19.5025 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 8.3405, 11.2567, 19.5025 by changing the saturation by 10% instead.

8.3405, 11.2567,
19.5025

8.3405, 11.2567,
19.5025

172.6922,
199.4203, 261.7235

4.3672, 6.2398,
11.8535

22.3024, 28.1339,
43.4294

1.9119, 2.9914,
6.5226

33.0217, 40.7629,
60.5444

0.5837, 1.1273,
3.0915

46.7204, 56.6981,
81.6518

0.0000, 0.0011,
1.1416

63.7639, 76.3239,
107.1701

0.0000, 0.0000,
0.0000

84.5174, 100.0246,
137.5179

109.3464,

128.1846, 173.1137

138.6162,
161.1884, 214.3761

8.3405, 11.2567,
19.5025

8.3405, 11.2567,
19.5025

8.3405, 11.2566,
19.5027

8.6551, 11.6605,
19.5641

9.0460, 12.1080,
19.6298

9.5659, 12.6265,
19.7025

10.2293, 13.2237,
19.7828

11.0491, 13.9061,
19.8713

■ 12.0365, 14.6795,
19.9686

■ 13.2017, 15.5493,
20.0751

■ 14.5541, 16.5204,
20.1912

■ 16.1025, 17.5972,
20.3175

Harmonies

Analogous

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



7.7354, 11.2567, 14.0046



8.3405, 11.2567, 19.5025



9.5997, 11.2567, 23.6296

Triad

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



8.3405, 11.2567, 19.5025



14.1568, 11.2567, 15.8180



10.1263, 11.2567, 5.0436

Complementary

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



8.3405, 11.2567, 19.5025



7.9314, 4.3642, 0.4248

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.



11.8795, 11.2567, 5.2833



8.3405, 11.2567, 19.5025



14.3371, 11.2567, 10.6605

Square

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



8.3405, 11.2567, 19.5025



12.9963, 11.2567, 21.1347



13.4652, 11.2567, 7.0729



8.6900, 11.2567, 6.2953

Rectangle

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



8.3405, 11.2567, 19.5025



10.7025, 11.2567, 24.5294



13.4652, 11.2567, 7.0729



10.6958, 11.2567, 4.9627

Sweetspot

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



8.3409, 11.2571, 19.5028



23.0546, 27.2277, 35.2934



6.8104, 13.4707, 2.7319



5.2913, 6.3254, 8.3487



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.



8.3409, 11.2571, 19.5028



14.5999, 19.6596, 34.2782



4.2915, 3.1583, 18.1530



4.0637, 4.4257, 5.0832



9.0915, 12.2655, 21.2736



42.9181, 57.6089, 101.3274

Inverse Universe

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



10.2448, 4.9930, 13.5209



17.9831, 8.7670, 23.5953



10.3308, 9.1629, 1.2246



4.1326, 4.0688, 4.8959



11.1723, 5.4451, 14.7302



53.0662, 25.8828, 69.0700

Previews

White Background



This preview shows how the XYZ color 8.3405, 11.2567, 19.5025 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 8.3405, 11.2567, 19.5025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

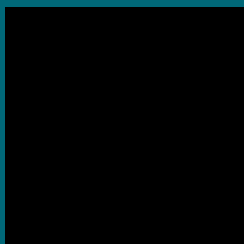
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.3405, 11.2567, 19.5025

Background



This preview shows how black text looks on a background with the XYZ color 8.3405, 11.2567, 19.5025.

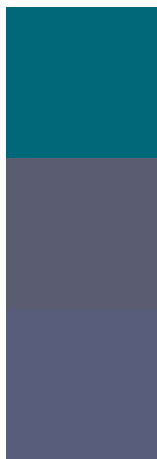


This preview shows how white text looks on a background with the XYZ color 8.3405, 11.2567,

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

8.3405, 11.2567, 19.5025

Protanopia

11.1114, 11.1946, 17.1979

Deuteranopia

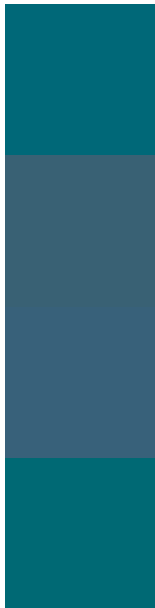
11.5140, 11.3335, 20.3196



Tritanopia

8.0322, 11.2954, 17.3797

Trichromacy



Original Color

8.3405, 11.2567, 19.5025

Protanomaly

9.1144, 10.6802, 18.1041

Deuteranomaly

9.4184, 10.7953, 19.9996

Tritanomaly

8.2040, 11.3641, 18.2841

Monochromacy



Original Color

8.3405, 11.2567, 19.5025

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

6.4350, 8.0393, 11.1101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3405, 11.2567, 19.5025 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, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 120)  
}
```

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, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 120) }
```

Border

The CSS property to change the border of an element to XYZ 8.3405, 11.2567, 19.5025 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, 104, 120) }
```


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

```
.border{ border-color:rgb(0, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 8.3405, 11.2567, 19.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 120) }
```

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

```
.background{ background-color: rgb(0, 104,  
120) }
```

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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