

Converting Colors

XYZ(8.3919, 14.3256, 27.4584)

Have a look what the booklet for
XYZ(8.3919, 14.3256, 27.4584)
contains.

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Color

**XYZ(11.8907, 16.0890,
27.6781)**

Conversions

Conversions Part 1

Format	Color
Hex	007B8D
RGB	0, 123, 141
RGB Percent	0%, 48%, 55%
CMY	0.9999, 0.5176, 0.4471
CMYK	1.00, 0.13, 0.00, 0.45
HSL	188°, 100%, 28%
HSV	188°, 100%, 55%
XYZ	11.8907, 16.0890, 27.6781
YIQ	88.2750, -79.0860, -20.4780

Conversions

Conversions Part 2

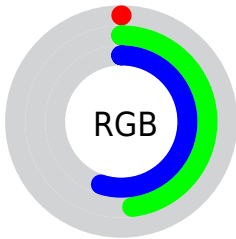
Format	Color
RYB	0, 66, 141
Decimal	31629
CIELab	47.09, -21.88, -17.92
CIElCh	47, 28.276, 219.318
Yxy	16.0890, 0.2136, 0.2891
Android (android.graphics.Color)	4278221709 (0xFF007B8D)
YUV	88.2750, 25.9934, -77.4172
Hunter-Lab	40.1111, -17.2791, -12.8345

Details

The XYZ color **11.8907, 16.0890, 27.6781** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.2014, 6.0962, 0.5870**, and the grayscale version is **9.2949, 9.7789, 10.6492**.

A 20% lighter version of the original color is **29.0318, 36.8756, 57.2173**, and **4.3371, 5.6529, 10.7601** is the 20% darker color. If you saturate the color by 10%, you get **11.8906, 16.0887, 27.6784**, and if you desaturate by 10%, it is **12.2993, 16.6346, 27.7622**.

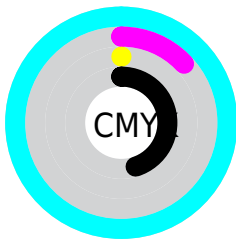
Distribution



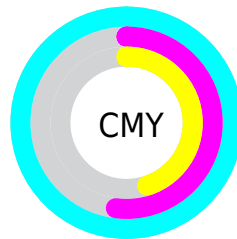
- Red (0%)
- Green (48%)
- Blue (55%)



- Red (0%)
- Yellow (26%)
- Blue (55%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8907, 16.0890, 27.6781 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 11.8907, 16.0890, 27.6781 by changing the saturation by 10% instead.

■ 11.8907, 16.0890,
27.6781

■ 11.8907, 16.0890,
27.6781

■ 197.4651,
229.8663, 304.7889

■ 6.7410, 9.5872,
17.8462

■ 28.9145, 36.7526,
56.9870

■ 3.3455, 5.1261,
10.6713

■ 41.5192, 51.6832,
77.3011

■ 1.3390, 2.3214,
5.7349

■ 57.3397, 70.1922,
101.9464

■ 0.2121, 0.7850,
2.6184

■ 76.7412, 92.6639,
131.3413

■ 0.0000, 0.0000,
0.9019

■ 100.0891,
119.4828, 165.9045

■ 0.0000, 0.0000,
0.0000

■ 127.7489,

151.0332, 206.0545

160.0857,
187.6996, 252.2098

■ 11.8907, 16.0890,
27.6781

■ 11.8907, 16.0890,
27.6781

■ 11.8906, 16.0887,
27.6784

■ 12.2993, 16.6346,
27.7622

■ 12.8309, 17.2493,
27.8528

■ 13.5476, 17.9657,
27.9533

■ 14.4720, 18.7953,
28.0647

■ 15.6231, 19.7480,
28.1880

■ 17.0179, 20.8326,
28.3238

■ 18.6716, 22.0569,
28.4729

■ 20.5982, 23.4283,
28.6361

■ 22.8109, 24.9535,
28.8139

Harmonies

Analogous

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



11.0515, 16.0890, 19.8245



11.8907, 16.0890, 27.6781



13.6685, 16.0890, 33.6589

Triad

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



11.8907, 16.0890, 27.6781



20.2029, 16.0890, 22.7995



14.5327, 16.0890, 7.1997

Complementary

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



11.8907, 16.0890, 27.6781



11.2014, 6.0962, 0.5870

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.



17.0394, 16.0890, 7.5937



11.8907, 16.0890, 27.6781



20.4987, 16.0890, 15.3981

Square

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



11.8907, 16.0890, 27.6781



18.5180, 16.0890, 30.3548



19.2872, 16.0890, 10.2096



12.4644, 16.0890, 8.9323

Rectangle

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



11.8907, 16.0890, 27.6781



15.2354, 16.0890, 35.0364



19.2872, 16.0890, 10.2096



15.3490, 16.0890, 7.1010

Sweetspot

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



11.8912, 16.0896, 27.6785



33.2272, 39.3473, 50.9714



9.6224, 19.0890, 3.6862



7.1674, 8.6023, 11.3621



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.8912, 16.0896, 27.6785



21.2082, 28.6407, 49.5383



6.1302, 4.5676, 25.7582



5.5024, 6.0005, 6.8970



10.8498, 14.6856, 25.2398



0.1143, 0.1616, 0.2448

Inverse Universe

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



14.5601, 7.0934, 19.3412



26.0306, 12.6847, 34.4071



14.3897, 12.4726, 1.6497



5.5970, 5.4993, 6.6420



13.2796, 6.4689, 17.6555



0.1323, 0.0640, 0.1970

Previews

White Background



This preview shows how the XYZ color 11.8907, 16.0890, 27.6781 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 11.8907, 16.0890, 27.6781 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

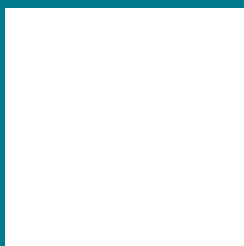
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8907, 16.0890, 27.6781

Background



This preview shows how black text looks on a background with the XYZ color 11.8907, 16.0890, 27.6781.

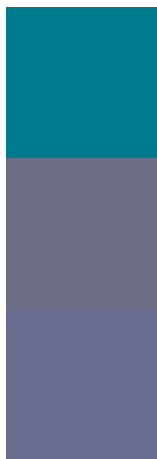


This preview shows how white text looks on a background with the XYZ color 11.8907, 16.0890,

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

11.8907, 16.0890, 27.6781

Protanopia

15.8042, 15.9436, 24.0742

Deuteranopia

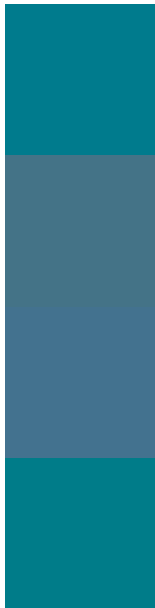
16.3284, 15.9542, 28.6044



Tritanopia

11.5107, 16.1365, 25.0622

Trichromacy



Original Color

11.8907, 16.0890, 27.6781

Protanomaly

12.8878, 15.2397, 25.1840

Deuteranomaly

13.2900, 15.2111, 28.2222

Tritanomaly

11.7230, 16.2214, 26.1801

Monochromacy



Original Color

11.8907, 16.0890, 27.6781

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.9384, 11.2097, 15.6025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8907, 16.0890, 27.6781 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, 123, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 141)  
}
```

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, 123, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 141) }
```

Border

The CSS property to change the border of an element to XYZ 11.8907, 16.0890, 27.6781 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, 123, 141) }
```


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

```
.border{ border-color:rgb(0, 123, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8907, 16.0890, 27.6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 141) }
```

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

```
.background{ background-color: rgb(0, 123,  
141) }
```

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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