

Converting Colors

XYZ(7.8350, 14.3911, 25.5027)

Have a look what the booklet for
XYZ(7.8350, 14.3911, 25.5027)
contains.

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Color

**XYZ(11.7775, 16.4448,
25.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	007D88
RGB	0, 125, 136
RGB Percent	0%, 49%, 53%
CMY	0.9999, 0.5098, 0.4667
CMYK	1.00, 0.08, 0.00, 0.47
HSL	185°, 100%, 27%
HSV	185°, 100%, 53%
XYZ	11.7775, 16.4448, 25.8460
YIQ	88.8790, -78.0310, -23.0790

Conversions

Conversions Part 2

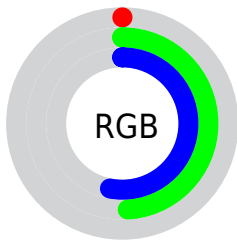
Format	Color
RYB	0, 65, 136
Decimal	32136
CIELab	47.55, -24.66, -14.26
CIELCh	48, 28.488, 210.039
Yxy	16.4448, 0.2178, 0.3041
Android (android.graphics.Color)	4278222216 (0xFF007D88)
YUV	88.8790, 23.2307, -77.9469
Hunter-Lab	40.5522, -19.1249, -9.4020

Details

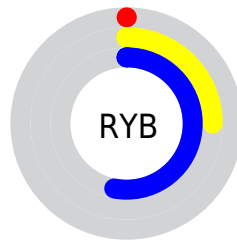
The XYZ color **11.7775, 16.4448, 25.8460** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.2734, 5.4740, 0.5155**, and the grayscale version is **9.4325, 9.9237, 10.8069**.

A 20% lighter version of the original color is **28.6730, 37.3539, 53.8429**, and **4.2642, 5.8408, 9.7067** is the 20% darker color. If you saturate the color by 10%, you get **11.7777, 16.4450, 25.8463**, and if you desaturate by 10%, it is **12.0931, 16.8157, 25.9013**.

Distribution



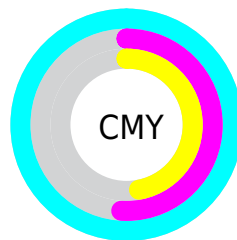
- Red (0%)
- Green (49%)
- Blue (53%)



- Red (0%)
- Yellow (25%)
- Blue (53%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (51%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7775, 16.4448, 25.8460 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 11.7775, 16.4448, 25.8460 by changing the saturation by 10% instead.

■ 11.7775, 16.4448,
25.8460

■ 11.7775, 16.4448,
25.8460

196.7268,
231.9523, 295.6067

■ 6.6635, 9.8394,
16.4837

■ 28.7096, 37.3687,
54.0074

■ 3.2970, 5.2926,
9.7091

■ 41.2584, 52.4560,
73.6437

■ 1.3127, 2.4200,
5.1034

■ 57.0161, 71.1395,
97.5417

■ 0.1927, 0.8361,
2.2483

■ 76.3482, 93.8034,
126.1199

■ 0.0000, 0.0000,
0.7020

■ 99.6200, 120.8323,
159.7970

■ 0.0000, 0.0000,
0.0000

■ 127.1967,

152.6105, 198.9915

159.4439,
189.5223, 244.1219

■ 11.7775, 16.4448,
25.8460

■ 11.7775, 16.4448,
25.8460

■ 11.7777, 16.4450,
25.8463

■ 12.0931, 16.8157,
25.9013

■ 12.5171, 17.2445,
25.9617

■ 13.1096, 17.7624,
26.0304

■ 13.8909, 18.3800,
26.1085

■ 14.8784, 19.1062,
26.1966

■ 16.0876, 19.9489,
26.2955

■ 17.5324, 20.9155,
26.4059

■ 19.2256, 22.0125,
26.5284

■ 21.1791, 23.2461,
26.6636

Harmonies

Analogous

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



11.2434, 16.4448, 17.9151



11.7775, 16.4448, 25.8460



13.3193, 16.4448, 32.9349

Triad

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



11.7775, 16.4448, 25.8460



20.2471, 16.4448, 25.8249



15.6270, 16.4448, 7.2562

Complementary

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



11.7775, 16.4448, 25.8460



10.2734, 5.4740, 0.5155

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.



18.1943, 16.4448, 8.3269



11.7775, 16.4448, 25.8460



21.0314, 16.4448, 17.8961

Square

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



11.7775, 16.4448, 25.8460



18.2007, 16.4448, 32.9206



20.2432, 16.4448, 11.7849



13.3141, 16.4448, 8.3326

Rectangle

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



11.7775, 16.4448, 25.8460



14.8019, 16.4448, 35.4836



20.2432, 16.4448, 11.7849



16.4891, 16.4448, 7.3721

Sweetspot

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



11.7780, 16.4454, 25.8464



30.7153, 36.7394, 46.5209



8.8542, 17.6286, 3.1967



6.8879, 8.3589, 10.7567



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.7780, 16.4454, 25.8464



20.7024, 28.8743, 45.5305



6.0051, 4.8996, 23.9221



5.1388, 5.6206, 6.4199



11.1502, 15.5708, 24.4635



0.0788, 0.1129, 0.1641

Inverse Universe

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



13.8554, 6.7153, 19.9686



24.3898, 11.8229, 35.0480



12.8125, 10.5523, 1.3619



5.2167, 5.1221, 6.2296



13.1149, 6.3561, 18.9074



0.0895, 0.0432, 0.1382

Previews

White Background



This preview shows how the XYZ color 11.7775, 16.4448, 25.8460 looks on a white background.

Color Contrast Check

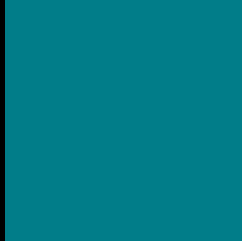
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7775, 16.4448, 25.8460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

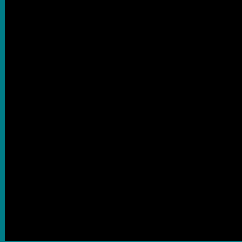
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7775, 16.4448, 25.8460

Background



This preview shows how black text looks on a background with the XYZ color 11.7775, 16.4448, 25.8460.

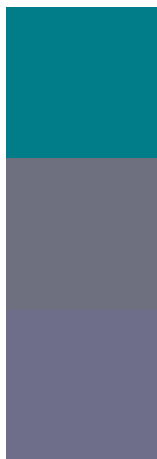


This preview shows how white text looks on a background with the XYZ color 11.7775, 16.4448,

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

11.7775, 16.4448, 25.8460

Protanopia

16.0553, 16.4356, 22.4049

Deuteranopia

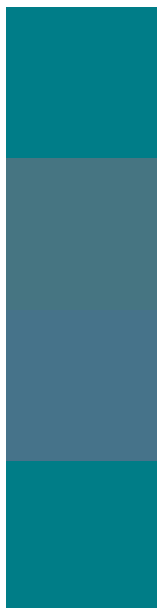
16.6665, 16.3309, 26.6999



Tritanopia

11.7068, 16.4165, 25.4734

Trichromacy



Original Color

11.7775, 16.4448, 25.8460

Protanomaly

12.9163, 15.6364, 23.4565

Deuteranomaly

13.2440, 15.3985, 26.3189

Tritanomaly

11.7068, 16.4165, 25.4734

Monochromacy



Original Color

11.7775, 16.4448, 25.8460

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.0402, 11.4132, 15.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7775, 16.4448, 25.8460 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, 125, 136)` looks like.

```
.text, #text, p{  
  color:rgb(0, 125, 136)  
}
```

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, 125, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 136) }
```

Border

The CSS property to change the border of an element to XYZ 11.7775, 16.4448, 25.8460 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, 125, 136) }
```


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

```
.border{ border-color:rgb(0, 125, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 125, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7775, 16.4448, 25.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 136) }
```

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

```
.background{ background-color: rgb(0, 125,  
136) }
```

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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