

Converting Colors

XYZ(7.8998, 10.5902, 18.5500)

Have a look what the booklet for
XYZ(7.8998, 10.5902, 18.5500)
contains.

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Color

**XYZ(7.8896, 10.6046,
18.4607)**

Conversions

Conversions Part 1

Format	Color
Hex	026575
RGB	2, 101, 117
RGB Percent	1%, 40%, 46%
CMY	0.9921, 0.6039, 0.5412
CMYK	0.98, 0.14, 0.00, 0.54
HSL	188°, 97%, 23%
HSV	188°, 98%, 46%
XYZ	7.8896, 10.6046, 18.4607
YIQ	73.2230, -64.1400, -16.0120

Conversions

Conversions Part 2

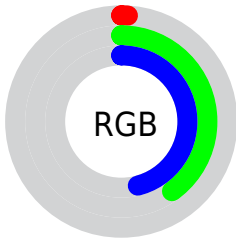
Format	Color
RYB	2, 55, 117
Decimal	157045
CIELab	38.91, -18.56, -16.03
CIElCh	39, 24.520, 220.821
Yxy	10.6046, 0.2135, 0.2870
Android (android.graphics.Color)	4278347125 (0xFF026575)
YUV	73.2230, 21.5821, -62.4626
Hunter-Lab	32.5647, -13.7422, -10.8158

Details

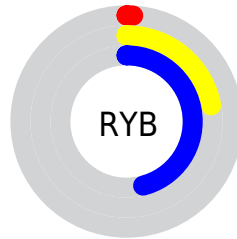
The XYZ color **7.8896, 10.6046, 18.4607** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.5638, 4.2194, 0.4736**, and the grayscale version is **6.3442, 6.6746, 7.2686**.

A 20% lighter version of the original color is **21.3702, 26.8575, 41.5938**, and **2.3933, 3.0680, 6.0963** is the 20% darker color. If you saturate the color by 10%, you get **7.8376, 10.5376, 18.4507**, and if you desaturate by 10%, it is **8.2011, 11.0024, 18.5213**.

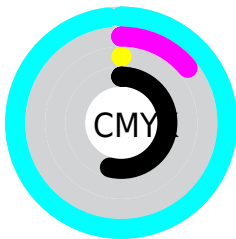
Distribution



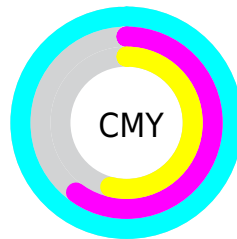
- Red (1%)
- Green (40%)
- Blue (46%)



- Red (1%)
- Yellow (22%)
- Blue (46%)



- Cyan (98%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)



- Cyan (99%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8896, 10.6046, 18.4607 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 7.8896, 10.6046, 18.4607 by changing the saturation by 10% instead.

7.8896, 10.6046,
18.4607

7.8896, 10.6046,
18.4607

169.2522,
194.9344, 255.7779

4.0756, 5.8016,
11.1084

21.4292, 26.9267,
41.6453

1.7450, 2.7248,
6.0247

31.8856, 39.2145,
58.3146

0.4842, 0.9898,
2.7911

45.2867, 54.7661,
78.9268

0.0000, 0.0000,
0.9890

61.9980, 73.9659,
103.9002

0.0000, 0.0000,
0.0000

82.3849, 97.1982,
133.6535

106.8127,

124.8475, 168.6052

135.6467,
157.2981, 209.1738

7.8896, 10.6046,
18.4607

7.8896, 10.6046,
18.4607

7.8376, 10.5376,
18.4507

8.2011, 11.0024,
18.5213

8.5984, 11.4488,
18.5865

9.1202, 11.9642,
18.6585

9.7800, 12.5555,
18.7378

10.5894, 13.2286,
18.8251

■ 11.5587, 13.9889,
18.9208

■ 12.6975, 14.8414,
19.0253

■ 14.0145, 15.7906,
19.1391

■ 15.5177, 16.8407,
19.2625

Harmonies

Analogous

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



7.3048, 10.6046, 13.3142



7.8896, 10.6046, 18.4607



9.0848, 10.6046, 22.2628

Triad

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



7.8896, 10.6046, 18.4607



13.3373, 10.6046, 14.7521



9.5026, 10.6046, 4.7859

Complementary

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



7.8896, 10.6046, 18.4607



7.5638, 4.2194, 0.4736

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.



11.1440, 10.6046, 4.9765



7.8896, 10.6046, 18.4607



13.4802, 10.6046, 9.9428

Square

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



7.8896, 10.6046, 18.4607



12.2691, 10.6046, 19.7541



12.6409, 10.6046, 6.6186



8.1670, 10.6046, 6.0008

Rectangle

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



7.8896, 10.6046, 18.4607



10.1243, 10.6046, 23.0418



12.6409, 10.6046, 6.6186



10.0345, 10.6046, 4.6982

Sweetspot

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



7.8899, 10.6050, 18.4610



22.4177, 26.3411, 34.0398



6.4905, 12.7773, 2.6688



4.9916, 5.9354, 7.8115



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



7.8899, 10.6050, 18.4610



13.9619, 18.7242, 33.0153



4.1434, 3.1119, 17.2121



3.7420, 4.0726, 4.6791



8.6269, 11.5936, 20.3257



41.5728, 55.5622, 98.8937

Inverse Universe

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



9.7071, 4.7653, 12.7204



17.2820, 8.4304, 22.4427



9.8524, 8.7967, 1.2365



3.8058, 3.7496, 4.5040



10.6516, 5.1944, 13.9055



51.6708, 25.2184, 66.5208

Previews

White Background



This preview shows how the XYZ color 7.8896, 10.6046, 18.4607 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 7.8896, 10.6046, 18.4607 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 7.8896, 10.6046, 18.4607

Background



This preview shows how black text looks on a background with the XYZ color 7.8896, 10.6046, 18.4607.

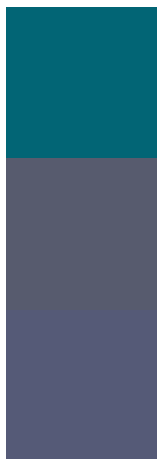


This preview shows how white text looks on a background with the XYZ color 7.8896, 10.6046,

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

7.8896, 10.6046, 18.4607

Protanopia

10.4860, 10.6342, 16.2518

Deuteranopia

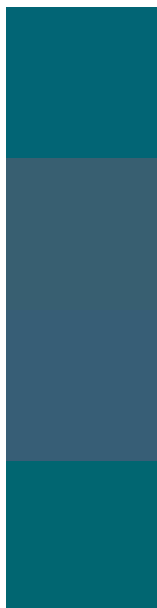
10.7323, 10.5755, 18.9284



Tritanopia

7.5658, 10.6285, 16.4046

Trichromacy



Original Color

7.8896, 10.6046, 18.4607

Protanomaly

8.7037, 10.2174, 17.1362

Deuteranomaly

8.8483, 10.1256, 18.6276

Tritanomaly

7.7445, 10.7014, 17.2802

Monochromacy



Original Color

7.8896, 10.6046, 18.4607

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

6.0687, 7.5121, 10.5813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8896, 10.6046, 18.4607 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(2, 101, 117)` looks like.

```
.text, #text, p{  
    color:rgb(2, 101, 117)  
}
```

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(2, 101, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 101, 117) }
```

Border

The CSS property to change the border of an element to XYZ 7.8896, 10.6046, 18.4607 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(2, 101, 117) }
```


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

```
.border{ border-color:rgb(2, 101, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 101, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 101, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 101, 117);  
box-shadow:4px 4px 4px 4px rgb(2, 101,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8896, 10.6046, 18.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 101, 117) }
```

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

```
.background{ background-color: rgb(2, 101,  
117) }
```

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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