

Converting Colors

XYZ(7.8514, 11.8534, 14.4843)

Have a look what the booklet for
XYZ(7.8514, 11.8534, 14.4843)
contains.

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Color

**XYZ(7.8669, 11.8966,
14.4520)**

Conversions

Conversions Part 1

Format	Color
Hex	006D66
RGB	0, 109, 102
RGB Percent	0%, 43%, 40%
CMY	1.0000, 0.5725, 0.6000
CMYK	1.00, 0.00, 0.06, 0.57
HSL	176°, 100%, 21%
HSV	176°, 100%, 43%
XYZ	7.8669, 11.8966, 14.4520
YIQ	75.6110, -62.7170, -25.2850

Conversions

Conversions Part 2

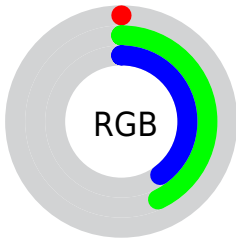
Format	Color
RYB	0, 56, 109
Decimal	28006
CIELab	41.05, -28.01, -3.66
CIELCh	41, 28.248, 187.436
Yxy	11.8966, 0.2299, 0.3477
Android (android.graphics.Color)	4278218086 (0xFF006D66)
YUV	75.6110, 13.0098, -66.3108
Hunter-Lab	34.4914, -19.6473, -0.6986

Details

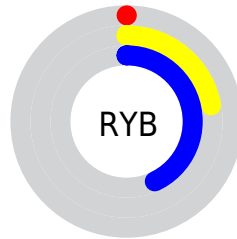
The XYZ color **7.8669, 11.8966, 14.4520** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.3454, 3.2669, 0.4974**, and the grayscale version is **6.7844, 7.1377, 7.7729**.

A 20% lighter version of the original color is **21.3963, 29.2855, 34.6620**, and **2.3583, 3.6133, 4.1876** is the 20% darker color. If you saturate the color by 10%, you get **7.8671, 11.8970, 14.4521**, and if you desaturate by 10%, it is **8.0388, 11.9815, 14.6424**.

Distribution



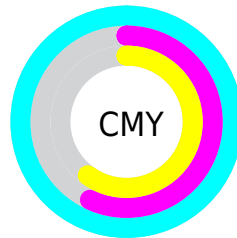
- Red (0%)
- Green (43%)
- Blue (40%)



- Red (0%)
- Yellow (22%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8669, 11.8966, 14.4520 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 7.8669, 11.8966, 14.4520 by changing the saturation by 10% instead.

■ 7.8669, 11.8966,
14.4520

■ 7.8669, 11.8966,
14.4520

169.0769,
203.7196, 231.5503

■ 4.0610, 6.6733,
8.2934

■ 21.3850, 29.3066,
34.6175

■ 1.7367, 3.2586,
4.1928

■ 31.8279, 42.2622,
49.4615

■ 0.4791, 1.2682,
1.7317

■ 45.2139, 58.5639,
68.0376

■ 0.0000, 0.1164,
0.3823

■ 61.9083, 78.5963,
90.7645

■ 0.0000, 0.0000,
0.0000

■ 82.2764, 102.7436,
118.0607

■ 106.6836,

131.3903, 150.3447

135.4953,
164.9209, 188.0350

7.8669, 11.8966,
14.4520

7.8669, 11.8966,
14.4520

7.8671, 11.8970,
14.4521

8.0388, 11.9815,
14.6424

8.2639, 12.0934,
14.8365

8.5906, 12.2578,
15.0369

9.0304, 12.4804,
15.2441

9.5933, 12.7664,
15.4587

■ 10.2880, 13.1203,
15.6810

■ 11.1227, 13.5464,
15.9114

■ 12.1046, 14.0483,
16.1502

■ 13.2406, 14.6296,
16.3978

Harmonies

Analogous

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



8.0772, 11.8966, 9.1258



7.8669, 11.8966, 14.4520



8.4869, 11.8966, 20.9902

Triad

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



7.8669, 11.8966, 14.4520



13.8453, 11.8966, 23.9887



12.8694, 11.8966, 5.1393

Complementary

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



7.8669, 11.8966, 14.4520



6.3454, 3.2669, 0.4974

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.



14.6922, 11.8966, 7.2850



7.8669, 11.8966, 14.4520



15.3009, 11.8966, 17.7247

Square

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



7.8669, 11.8966, 14.4520



11.8192, 11.8966, 27.4694



15.6280, 11.8966, 11.5621



10.8105, 11.8966, 4.7396

Rectangle

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



7.8669, 11.8966, 14.4520



9.3370, 11.8966, 24.8186



15.6280, 11.8966, 11.5621



13.5370, 11.8966, 5.6408

Sweetspot

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



7.8673, 11.8970, 14.4523



19.7808, 24.1868, 28.4556



5.5599, 10.9846, 1.8274



4.4894, 5.5704, 6.5915



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.8673, 11.8970, 14.4523



14.0696, 21.2958, 25.7872



4.4707, 4.5247, 15.1062



3.1738, 3.4887, 3.8992



9.1980, 13.9133, 16.8857



46.7453, 70.8452, 85.3948

Inverse Universe

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



6.3454, 3.2669, 0.4974



11.3433, 5.8419, 0.7931



7.3330, 5.3035, 0.6374



3.1069, 3.1196, 3.2934



7.4178, 3.8192, 0.5626



37.6779, 19.4131, 2.2407

Previews

White Background



This preview shows how the XYZ color 7.8669, 11.8966, 14.4520 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 7.8669, 11.8966, 14.4520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

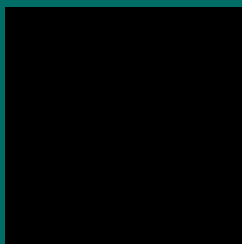
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.8669, 11.8966, 14.4520

Background



This preview shows how black text looks on a background with the XYZ color 7.8669, 11.8966, 14.4520.



This preview shows how white text looks on a background with the XYZ color 7.8669, 11.8966,

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

7.8669, 11.8966, 14.4520

Protanopia

11.3940, 11.8446, 12.5122

Deuteranopia

12.0320, 11.8501, 15.0177



Tritanopia

8.8110, 11.9830, 18.3716

Trichromacy



Original Color

7.8669, 11.8966, 14.4520

Protanomaly

8.9082, 11.2460, 13.2565

Deuteranomaly

9.1405, 11.0470, 14.7472

Tritanomaly

8.4455, 11.9830, 16.9067

Monochromacy



Original Color

7.8669, 11.8966, 14.4520

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

6.3483, 8.2637, 9.8548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8669, 11.8966, 14.4520 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, 109, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 102)  
}
```

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, 109, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 102) }
```

Border

The CSS property to change the border of an element to XYZ 7.8669, 11.8966, 14.4520 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, 109, 102) }
```


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

```
.border{ border-color:rgb(0, 109, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8669, 11.8966, 14.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 102) }
```

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

```
.background{ background-color: rgb(0, 109,  
102) }
```

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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