

Converting Colors

XYZ(3.6835, 10.0433, 7.6107)

Have a look what the booklet for
XYZ(3.6835, 10.0433, 7.6107)
contains.

XYZ(6.6814, 11.5941, 7.6801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(6.6814, 11.5941,
7.6801)**

Conversions

Conversions Part 1

Format	Color
Hex	006E46
RGB	0, 110, 70
RGB Percent	0%, 43%, 27%
CMY	1.0000, 0.5686, 0.7255
CMYK	1.00, 0.00, 0.36, 0.57
HSL	158°, 100%, 22%
HSV	158°, 100%, 43%
XYZ	6.6814, 11.5941, 7.6801
YIQ	72.5500, -52.7200, -35.7600

Conversions

Conversions Part 2

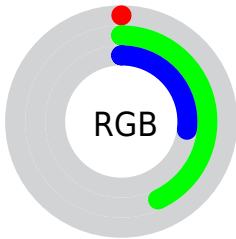
Format	Color
RYB	0, 67, 110
Decimal	28230
CIELab	40.56, -37.45, 14.89
CIELCh	41, 40.305, 158.322
Yxy	11.5941, 0.2574, 0.4467
Android (android.graphics.Color)	4278218310 (0xFF006E46)
YUV	72.5500, -1.2571, -63.6263
Hunter-Lab	34.0501, -24.5620, 10.4620

Details

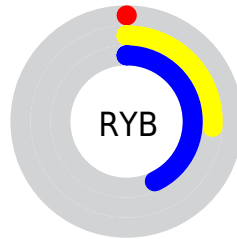
The XYZ color **6.6814, 11.5941, 7.6801** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.8137, 3.4683, 2.3179**, and the grayscale version is **6.2634, 6.5896, 7.1761**.

A 20% lighter version of the original color is **19.1746, 28.9428, 22.0287**, and **1.8552, 3.4121, 1.5381** is the 20% darker color. If you saturate the color by 10%, you get **6.6817, 11.5946, 7.6804**, and if you desaturate by 10%, it is **6.9503, 11.7179, 8.3743**.

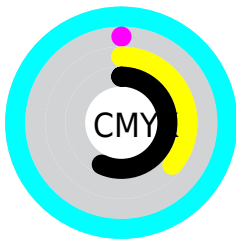
Distribution



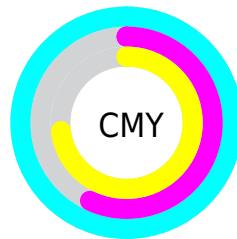
- Red (0%)
- Green (43%)
- Blue (27%)



- Red (0%)
- Yellow (26%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.6814, 11.5941, 7.6801 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 6.6814, 11.5941, 7.6801 by changing the saturation by 10% instead.

6.6814, 11.5941,
7.6801

6.6814, 11.5941,
7.6801

159.5927,
201.6993, 183.0408

3.3082, 6.4679,
3.8061

19.0405, 28.7537,
21.8646

1.3188, 3.1316,
1.5196

28.7570, 41.5558,
33.0122

0.1972, 1.2008,
0.2325

41.3188, 57.6855,
47.4214

0.0000, 0.0624,
0.0000

57.0911, 77.5269,
65.5108

0.0000, 0.0000,
0.0000

76.4393, 101.4647,
87.6989

99.7287, 129.8830,

114.4042

127.3247,
163.1664, 146.0454

6.6814, 11.5941,
7.6801

6.6814, 11.5941,
7.6801

6.6817, 11.5946,
7.6804

6.9503, 11.7179,
8.3743

7.2823, 11.8730,
9.1159

7.7264, 12.0849,
9.9083

8.2947, 12.3598,
10.7529

8.9973, 12.7028,
11.6509

■ 9.8435, 13.1188,
12.6035

■ 10.8416, 13.6121,
13.6117

■ 11.9992, 14.1865,
14.6767

■ 13.3236, 14.8458,
15.7995

Harmonies

Analogous

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



7.9665, 11.5941, 3.8956



6.6814, 11.5941, 7.6801



6.4485, 11.5941, 15.0277

Triad

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



6.6814, 11.5941, 7.6801



11.8300, 11.5941, 35.3077



15.8876, 11.5941, 5.1933

Complementary

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



6.6814, 11.5941, 7.6801



6.8137, 3.4683, 2.3179

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.



17.3603, 11.5941, 10.4914



6.6814, 11.5941, 7.6801



14.7680, 11.5941, 29.3153

Square

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



6.6814, 11.5941, 7.6801



9.1218, 11.5941, 33.4702



16.9187, 11.5941, 19.3332



13.1644, 11.5941, 2.9500

Rectangle

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



6.6814, 11.5941, 7.6801



6.8750, 11.5941, 21.6009



16.9187, 11.5941, 19.3332



16.5649, 11.5941, 6.5591

Sweetspot

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



6.6817, 11.5946, 7.6804



18.8888, 23.8301, 23.7586



6.4643, 11.6102, 1.9003



4.2628, 5.4797, 5.3981



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.



6.6817, 11.5946, 7.6804



11.6753, 20.3381, 13.1790



6.9371, 9.3708, 16.1956



3.4260, 3.7956, 4.0495



8.0123, 13.9224, 9.1514



39.4883, 69.1840, 43.3521

Inverse Universe

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



6.8137, 3.4683, 2.3179



11.9113, 6.0691, 3.7839



6.5968, 3.6475, 0.3563



3.4300, 3.4197, 3.7910



8.1717, 4.1611, 2.7144



40.3245, 20.5751, 11.5068

Previews

White Background



This preview shows how the XYZ color 6.6814, 11.5941, 7.6801 looks on a white background.

Color Contrast Check

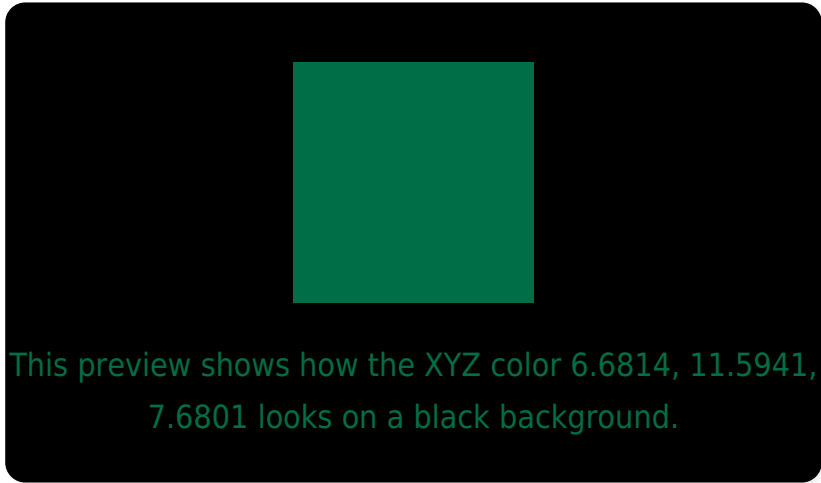
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 6.6814, 11.5941, 7.6801

Background



This preview shows how black text looks on a background with the XYZ color 6.6814, 11.5941, 7.6801.



This preview shows how white text looks on a background with the XYZ color 6.6814, 11.5941, 7.6801.

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

6.6814, 11.5941, 7.6801

Protanopia

10.7265, 11.4976, 6.5044

Deuteranopia

11.7453, 11.5934, 8.0973



Tritanopia

8.8689, 11.7267, 17.4188

Trichromacy



Original Color

6.6814, 11.5941, 7.6801

Protanomaly

7.7873, 10.6659, 6.8026

Deuteranomaly

8.2630, 10.7443, 7.9417

Tritanomaly

7.8163, 11.5851, 13.1335

Monochromacy



Original Color

6.6814, 11.5941, 7.6801

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

5.6242, 7.7043, 7.3215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.6814, 11.5941, 7.6801 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, 110, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 70)  
}
```

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, 110, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 70) }
```

Border

The CSS property to change the border of an element to XYZ 6.6814, 11.5941, 7.6801 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, 110, 70) }
```


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

```
.border{ border-color:rgb(0, 110, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 110, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.6814, 11.5941, 7.6801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 70) }
```

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

```
.background{ background-color: rgb(0, 110,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor