

Converting Colors

XYZ(3.3438, 10.0305, 8.8528)

Have a look what the booklet for
XYZ(3.3438, 10.0305, 8.8528)
contains.

XYZ(7.0240, 11.9047, 8.9488)	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(7.0240, 11.9047,
8.9488)**

Conversions

Conversions Part 1

Format	Color
Hex	006F4D
RGB	0, 111, 77
RGB Percent	0%, 44%, 30%
CMY	1.0000, 0.5647, 0.6980
CMYK	1.00, 0.00, 0.31, 0.56
HSL	162°, 100%, 22%
HSV	162°, 100%, 44%
XYZ	7.0240, 11.9047, 8.9488
YIQ	73.9350, -55.2420, -34.1060

Conversions

Conversions Part 2

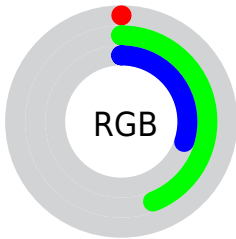
Format	Color
RYB	0, 66, 111
Decimal	28493
CIELab	41.06, -36.14, 11.43
CIELCh	41, 37.909, 162.450
Yxy	11.9047, 0.2520, 0.4270
Android (android.graphics.Color)	4278218573 (0xFF006F4D)
YUV	73.9350, 1.5110, -64.8410
Hunter-Lab	34.5032, -24.0424, 8.7747

Details

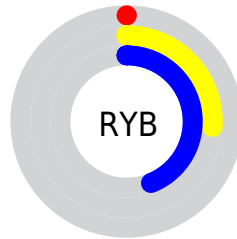
The XYZ color **7.0240, 11.9047, 8.9488** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.8447, 3.4953, 1.8278**, and the grayscale version is **6.5023, 6.8409, 7.4498**.

A 20% lighter version of the original color is **19.7890, 29.4737, 24.3847**, and **1.9971, 3.5551, 2.0198** is the 20% darker color. If you saturate the color by 10%, you get **7.0242, 11.9051, 8.9487**, and if you desaturate by 10%, it is **7.2869, 12.0263, 9.6046**.

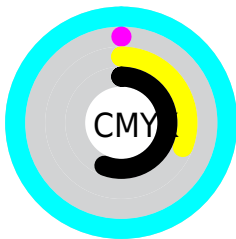
Distribution



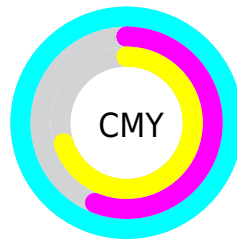
- Red (0%)
- Green (44%)
- Blue (30%)



- Red (0%)
- Yellow (26%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.0240, 11.9047, 8.9488 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 7.0240, 11.9047, 8.9488 by changing the saturation by 10% instead.

 7.0240, 11.9047,
8.9488

 7.0240, 11.9047,
8.9488

162.4033,
203.7734, 193.1995


 3.5236, 6.6788,
4.6114


 19.7257, 29.3214,
24.3747


 1.4363, 3.2621,
1.9664

 29.6577, 42.2810,
36.3003


 0.2819, 1.2700,
0.5345

 42.4643, 58.5874,
51.5924

 0.0000, 0.1178,
0.0000


 58.5108, 78.6248,
70.6696


 0.0000, 0.0000,
0.0000


 78.1626, 102.7777,
93.9503


 101.7851,


131.4305, 121.8532


 129.7435,
164.9676, 154.7967


 7.0240, 11.9047,
8.9488


 7.0240, 11.9047,
8.9488


 7.0242, 11.9051,
8.9487

 7.2869, 12.0263,
9.6046

 7.6126, 12.1792,
10.2964

 8.0503, 12.3891,
11.0272

 8.6121, 12.6623,
11.7980

 9.3086, 13.0041,
12.6097

■ 10.1491, 13.4194,
13.4633

■ 11.1420, 13.9124,
14.3595

■ 12.2951, 14.4873,
15.2992

■ 13.6157, 15.1477,
16.2832

Harmonies

Analogous

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



8.1385, 11.9047, 4.7519



7.0240, 11.9047, 8.9488



6.9367, 11.9047, 16.4681

Triad

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



7.0240, 11.9047, 8.9488



12.4808, 11.9047, 33.7880



15.6310, 11.9047, 5.2513

Complementary

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



7.0240, 11.9047, 8.9488



6.8447, 3.4953, 1.8278

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.



17.2311, 11.9047, 9.9929



7.0240, 11.9047, 8.9488



15.2262, 11.9047, 27.4587

Square

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



7.0240, 11.9047, 8.9488



9.8097, 11.9047, 33.1387



17.0721, 11.9047, 18.0254



12.9671, 11.9047, 3.2819

Rectangle

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



7.0240, 11.9047, 8.9488



7.4495, 11.9047, 22.7782



17.0721, 11.9047, 18.0254



16.3289, 11.9047, 6.4703

Sweetspot

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



7.0243, 11.9052, 8.9491



19.7939, 24.8336, 25.5773



6.3831, 11.7293, 1.9278



4.6102, 5.8940, 6.0173



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.0243, 11.9052, 8.9491



12.5194, 21.2941, 15.7174



6.5809, 8.5707, 16.3469



3.4336, 3.7986, 4.0894



8.2651, 14.0235, 10.4825



40.7740, 69.6982, 50.1227

Inverse Universe

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



6.8447, 3.4953, 1.8278



12.2034, 6.2374, 2.9957



6.8123, 3.8926, 0.3925



3.4227, 3.4168, 3.7526



8.0544, 4.1141, 2.0963



39.7778, 20.3565, 8.6283

Previews

White Background



This preview shows how the XYZ color 7.0240, 11.9047, 8.9488 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 7.0240, 11.9047, 8.9488 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 7.0240, 11.9047, 8.9488

Background



This preview shows how black text looks on a background with the XYZ color 7.0240, 11.9047, 8.9488.



This preview shows how white text looks on a background with the XYZ color 7.0240, 11.9047,

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

7.0240, 11.9047, 8.9488

Protanopia

11.1209, 11.9474, 7.6812

Deuteranopia

12.0816, 11.8675, 9.4385



Tritanopia

9.0479, 11.9579, 18.0509

Trichromacy



Original Color

7.0240, 11.9047, 8.9488

Protanomaly

8.2007, 11.1420, 8.0217

Deuteranomaly

8.6037, 11.0331, 9.2656

Tritanomaly

8.0882, 11.8589, 14.1746

Monochromacy



Original Color

7.0240, 11.9047, 8.9488

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

5.8505, 7.9287, 7.8787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.0240, 11.9047, 8.9488 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, 111, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 77)  
}
```

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, 111, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 77) }
```

Border

The CSS property to change the border of an element to XYZ 7.0240, 11.9047, 8.9488 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, 111, 77) }
```


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

```
.border{ border-color:rgb(0, 111, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.0240, 11.9047, 8.9488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 77) }
```

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

```
.background{ background-color: rgb(0, 111,  
77) }
```

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