

Converting Colors

XYZ(6.3497, 12.0396, 6.3470)

Have a look what the booklet for
XYZ(6.3497, 12.0396, 6.3470)
contains.

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Color

**XYZ(6.8596, 12.3715,
6.4413)**

Conversions

Conversions Part 1

Format	Color
Hex	00723D
RGB	0, 114, 61
RGB Percent	0%, 45%, 24%
CMY	1.0000, 0.5529, 0.7608
CMYK	1.00, 0.00, 0.46, 0.55
HSL	152°, 100%, 22%
HSV	152°, 100%, 45%
XYZ	6.8596, 12.3715, 6.4413
YIQ	73.8720, -50.9310, -40.6510

Conversions

Conversions Part 2

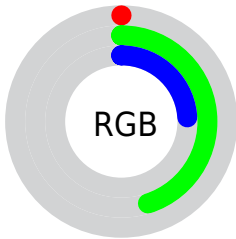
Format	Color
RYB	0, 74, 114
Decimal	29245
CIELab	41.80, -40.97, 21.73
CIELCh	42, 46.373, 152.061
Yxy	12.3715, 0.2672, 0.4819
Android (android.graphics.Color)	4278219325 (0xFF00723D)
YUV	73.8720, -6.3459, -64.7857
Hunter-Lab	35.1731, -26.7413, 13.7634

Details

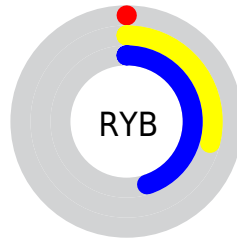
The XYZ color **6.8596, 12.3715, 6.4413** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.5824, 3.8347, 3.7092**, and the grayscale version is **6.5040, 6.8427, 7.4517**.

A 20% lighter version of the original color is **19.4031, 30.1974, 19.2740**, and **1.9346, 3.7073, 1.1439** is the 20% darker color. If you saturate the color by 10%, you get **6.8598, 12.3720, 6.4413**, and if you desaturate by 10%, it is **7.1532, 12.5059, 7.2379**.

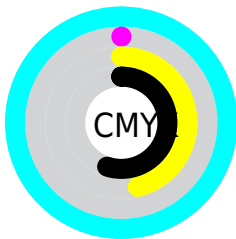
Distribution



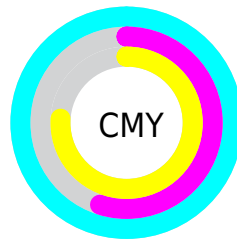
- Red (0%)
- Green (45%)
- Blue (24%)



- Red (0%)
- Yellow (29%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.8596, 12.3715, 6.4413 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 6.8596, 12.3715, 6.4413 by changing the saturation by 10% instead.


 6.8596, 12.3715,
6.4413

 6.8596, 12.3715,
6.4413


161.0622,
206.8494, 172.3879


 3.4200, 6.9972,
3.0421


 19.3977, 30.1699,
19.3335


 1.3796, 3.4604,
1.1162

 29.2270, 43.3629,
29.6635


 0.2416, 1.3765,
0.0000

 41.9168, 59.9308,
43.1410

 0.0000, 0.1993,
0.0000


 57.8326, 80.2582,
60.1844


 0.0000, 0.0000,
0.0000


 77.3396, 104.7293,
81.2122


 100.8034,


133.7286, 106.6431


 128.5891,
167.6405, 136.8955


 6.8596, 12.3715,
6.4413


 6.8596, 12.3715,
6.4413


 6.8598, 12.3720,
6.4413

 7.1532, 12.5059,
7.2379

 7.5232, 12.6776,
8.1135

 8.0201, 12.9130,
9.0729

 8.6572, 13.2190,
10.1183

 9.4460, 13.6014,
11.2523

■ 10.3968, 14.0654,
12.4771

■ 11.5188, 14.6158,
13.7948

■ 12.8206, 15.2570,
15.2075

■ 14.3103, 15.9931,
16.7172

Harmonies

Analogous

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



8.6064, 12.3715, 2.9925



6.8596, 12.3715, 6.4413



6.3419, 12.3715, 14.1582

Triad

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



6.8596, 12.3715, 6.4413



11.9965, 12.3715, 42.3562



18.2472, 12.3715, 5.7512

Complementary

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



6.8596, 12.3715, 6.4413



7.5824, 3.8347, 3.7092

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.



19.6167, 12.3715, 12.8053



6.8596, 12.3715, 6.4413



15.5998, 12.3715, 36.5176

Square

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



6.8596, 12.3715, 6.4413



8.9429, 12.3715, 37.8485



18.5656, 12.3715, 24.3413



15.1111, 12.3715, 2.7512

Rectangle

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



6.8596, 12.3715, 6.4413



6.6629, 12.3715, 21.8397



18.5656, 12.3715, 24.3413



18.9540, 12.3715, 7.5700

Sweetspot

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



6.8599, 12.3720, 6.4416



20.0772, 25.6028, 24.0552



7.4964, 12.7974, 2.0752



4.4907, 5.8462, 5.3880



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.



6.8599, 12.3720, 6.4416



11.9905, 21.7150, 10.9829



8.6352, 12.4104, 17.8605



3.4127, 3.7903, 3.9795



7.6275, 13.7685, 7.1253



37.5569, 68.4114, 33.1814

Inverse Universe

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



7.5824, 3.8347, 3.7092



13.2615, 6.7133, 6.1884



6.9810, 3.6601, 0.3386



3.4430, 3.4249, 3.8596



8.4319, 4.2652, 4.0845



41.5758, 21.0756, 18.0959

Previews

White Background



This preview shows how the XYZ color 6.8596, 12.3715, 6.4413 looks on a white background.

Color Contrast Check

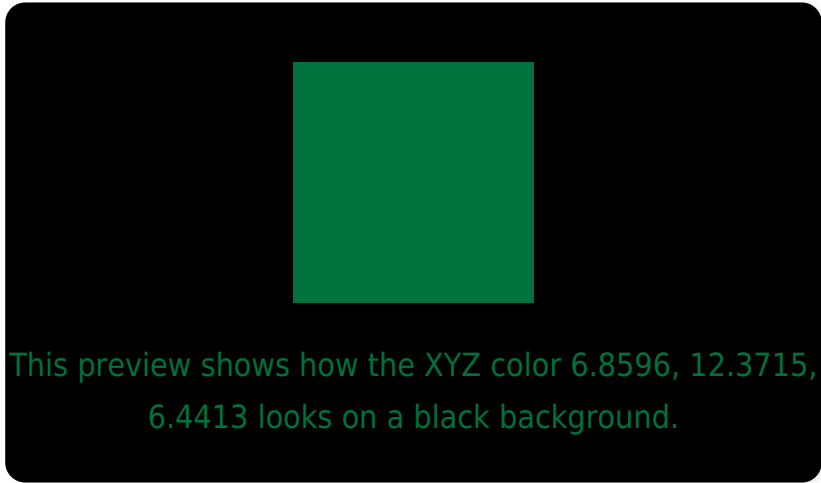
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.8596, 12.3715, 6.4413

Background



This preview shows how black text looks on a background with the XYZ color 6.8596, 12.3715, 6.4413.



This preview shows how white text looks on a background with the XYZ color 6.8596, 12.3715,

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

6.8596, 12.3715, 6.4413

Protanopia

11.3358, 12.3877, 5.4080

Deuteranopia

12.4573, 12.2503, 6.8622



Tritanopia

9.5112, 12.4997, 18.4344

Trichromacy



Original Color

6.8596, 12.3715, 6.4413

Protanomaly

8.1431, 11.4612, 5.6540

Deuteranomaly

8.4807, 11.1734, 6.5602

Tritanomaly

8.1392, 12.2294, 12.9979

Monochromacy



Original Color

6.8596, 12.3715, 6.4413

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

5.8188, 8.1788, 6.9022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8596, 12.3715, 6.4413 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, 114, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 61)  
}
```

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, 114, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 61) }
```

Border

The CSS property to change the border of an element to XYZ 6.8596, 12.3715, 6.4413 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, 114, 61) }
```


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

```
.border{ border-color:rgb(0, 114, 61) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.8596, 12.3715, 6.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 61) }
```

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

```
.background{ background-color: rgb(0, 114,  
61) }
```

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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