

Converting Colors

XYZ(3.3747, 7.2110, 5.5802)

Have a look what the booklet for
XYZ(3.3747, 7.2110, 5.5802)
contains.

XYZ(4.5834, 7.8191, 5.6825)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(4.5834, 7.8191, 5.6825)

Conversions

Conversions Part 1

Format	Color
Hex	005B3D
RGB	0, 91, 61
RGB Percent	0%, 36%, 24%
CMY	1.0000, 0.6431, 0.7608
CMYK	1.00, 0.00, 0.33, 0.64
HSL	160°, 100%, 18%
HSV	160°, 100%, 36%
XYZ	4.5834, 7.8191, 5.6825
YIQ	60.3710, -44.6060, -28.6220

Conversions

Conversions Part 2

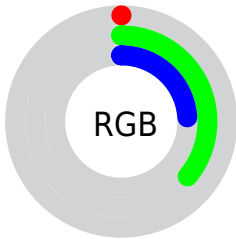
Format	Color
RYB	0, 54, 91
Decimal	23357
CIELab	33.60, -31.81, 10.78
CIELCh	34, 33.592, 161.278
Yxy	7.8191, 0.2534, 0.4324
Android (android.graphics.Color)	4278213437 (0xFF005B3D)
YUV	60.3710, 0.3101, -52.9454
Hunter-Lab	27.9627, -19.6764, 7.5251

Details

The XYZ color **4.5834, 7.8191, 5.6825** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.5490, 2.3181, 1.4364**, and the grayscale version is **4.3512, 4.5778, 4.9852**.

A 20% lighter version of the original color is **14.6801, 21.6084, 17.8651**, and **1.0182, 1.8484, 0.9192** is the 20% darker color. If you saturate the color by 10%, you get **4.5835, 7.8194, 5.6824**, and if you desaturate by 10%, it is **4.7806, 7.9114, 6.1257**.

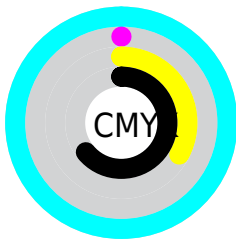
Distribution



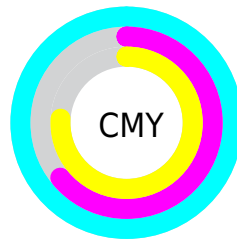
- Red (0%)
- Green (36%)
- Blue (24%)



- Red (0%)
- Yellow (21%)
- Blue (36%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (64%)





- Cyan (100%)
- Magenta (64%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 4.5834, 7.8191, 5.6825 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 4.5834, 7.8191, 5.6825 by changing the saturation by 10% instead.


 4.5834, 7.8191,
5.6825


 4.5834, 7.8191,
5.6825


140.7595,
174.3062, 165.4096


 2.0372, 3.9794,
2.5874

 14.6690, 21.6030,
17.7344


 0.6547, 1.6621,
0.8859


 22.9391, 32.3161,
27.5282

 0.0000, 0.3989,
0.0000

 33.8479, 46.0890,
40.3920

 0.0000, 0.0000,
0.0000

 47.7608, 63.3063,
56.7443

 65.0430, 84.3522,
77.0037

 86.0599, 109.6112,

101.5887

111.1770,
139.4678, 130.9178

4.5834, 7.8191,
5.6825

4.5834, 7.8191,
5.6825

4.5835, 7.8194,
5.6824

4.7806, 7.9114,
6.1257

5.0077, 8.0183,
6.5941

5.3069, 8.1619,
7.0903

5.6857, 8.3459,
7.6149

6.1504, 8.5737,
8.1686

■ 6.7066, 8.8481,
8.7519

■ 7.3596, 9.1718,
9.3656

■ 8.1140, 9.5473,
10.0101

■ 8.9743, 9.9767,
10.6859

Harmonies

Analogous

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



5.3521, 7.8191, 2.9809



4.5834, 7.8191, 5.6825



4.4986, 7.8191, 10.6302

Triad

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



4.5834, 7.8191, 5.6825



8.1382, 7.8191, 22.6285



10.3874, 7.8191, 3.4622

Complementary

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



4.5834, 7.8191, 5.6825



4.5490, 2.3181, 1.4364

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.



11.4236, 7.8191, 6.6985



4.5834, 7.8191, 5.6825



9.9906, 7.8191, 18.4975

Square

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



4.5834, 7.8191, 5.6825



6.3632, 7.8191, 21.9878



11.2676, 7.8191, 12.1568



8.6138, 7.8191, 2.1086

Rectangle

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



4.5834, 7.8191, 5.6825



4.8220, 7.8191, 14.8567



11.2676, 7.8191, 12.1568



10.8456, 7.8191, 4.2950

Sweetspot

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



4.5836, 7.8194, 5.6827



12.4714, 15.6257, 15.9122



4.2866, 7.7636, 1.2727



2.9412, 3.7405, 3.7792



46.7556, 49.1905, 53.5685



4.1094, 4.3234, 4.7081

Same Dimension

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



4.5836, 7.8194, 5.6827



7.7940, 13.3517, 9.4925



4.4616, 5.9016, 10.8019



2.3619, 2.6088, 2.8002



6.7575, 11.5642, 8.2664



36.5825, 63.1572, 43.0466

Inverse Universe

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



4.5490, 2.3181, 1.4364



7.7373, 3.9470, 2.2452



4.4878, 2.5707, 0.2598



2.3587, 2.3590, 2.5996



6.7077, 3.4209, 1.9879



36.3570, 18.5831, 8.9136

Previews

White Background



This preview shows how the XYZ color 4.5834, 7.8191, 5.6825 looks on a white background.

Color Contrast Check

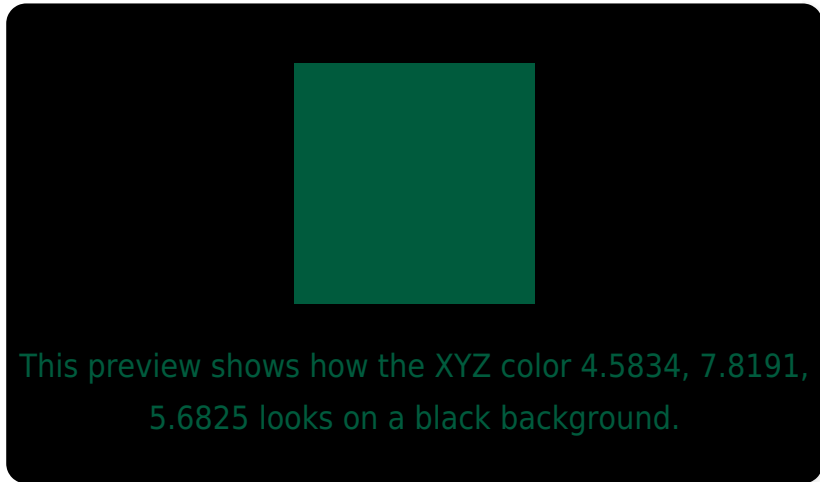
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 4.5834, 7.8191, 5.6825

Background



This preview shows how black text looks on a background with the XYZ color 4.5834, 7.8191, 5.6825.



This preview shows how white text looks on a background with the XYZ color 4.5834, 7.8191, 5.6825.

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

4.5834, 7.8191, 5.6825

Protanopia

7.2561, 7.8088, 4.8662

Deuteranopia

7.9235, 7.8144, 5.9412



Tritanopia

5.9936, 7.9158, 11.8017

Trichromacy



Original Color

4.5834, 7.8191, 5.6825

Protanomaly

5.3783, 7.2763, 5.1240

Deuteranomaly

5.6433, 7.1735, 5.7898

Tritanomaly

5.3012, 7.7374, 9.1967

Monochromacy



Original Color

4.5834, 7.8191, 5.6825

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

3.8682, 5.2448, 5.0834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.5834, 7.8191, 5.6825 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, 91, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 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, 91, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 61) }
```

Border

The CSS property to change the border of an element to XYZ 4.5834, 7.8191, 5.6825 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, 91, 61) }
```

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

```
.border{ border-color:rgb(0, 91, 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, 91, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 91, 61); box-shadow:4px  
4px 4px 4px rgb(0, 91, 61) }
```


Background

The CSS property to change the background color of an element to XYZ 4.5834, 7.8191, 5.6825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 61) }
```

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

```
.background{ background-color: rgb(0, 91,  
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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