

# Converting Colors

XYZ(8.7936, 13.7296, 6.3250)

Have a look what the booklet for  
XYZ(8.7936, 13.7296, 6.3250)  
contains.

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# Color

**XYZ(8.7797, 13.7061,  
6.3205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A743B
RGB	58, 116, 59
RGB Percent	23%, 45%, 23%
CMY	0.7726, 0.5451, 0.7686
CMYK	0.50, 0.00, 0.49, 0.55
HSL	121°, 33%, 34%
HSV	121°, 50%, 45%
XYZ	8.7797, 13.7061, 6.3205
YIQ	92.1600, -16.2710, -30.0230

# Conversions

## Conversions Part 2

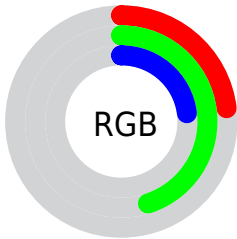
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 115, 116
Decimal	3830843
CIELab	43.81, -31.77, 25.68
CIELCh	44, 40.853, 141.055
Yxy	13.7061, 0.3048, 0.4758
Android (android.graphics.Color)	4282020923 (0xFF3A743B)
YUV	92.1600, -16.3479, -29.9583
Hunter-Lab	37.0218, -22.4568, 15.7930

# Details

The XYZ color **8.7797, 13.7061, 6.3205** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.8104, 7.9771, 17.1370**, and the grayscale version is **10.2491, 10.7828, 11.7425**.

A 20% lighter version of the original color is **23.1485, 32.6887, 18.9994**, and **2.0864, 4.0460, 1.0865** is the 20% darker color. If you saturate the color by 10%, you get **7.9158, 13.2916, 4.9018**, and if you desaturate by 10%, it is **9.8609, 14.2259, 8.0872**.

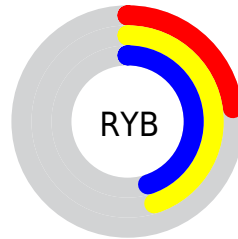
# Distribution



Red (23%)

Green (45%)

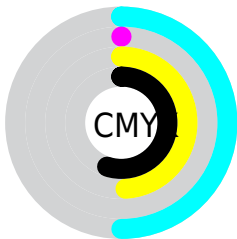
Blue (23%)



Red (23%)

Yellow (45%)

Blue (45%)

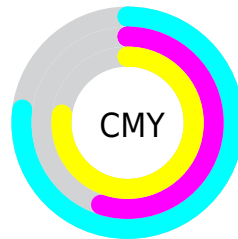


Cyan (50%)

Magenta (0%)

Yellow (49%)

Black (55%)



Cyan (77%)

Magenta (55%)


Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7797, 13.7061, 6.3205 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 8.7797, 13.7061, 6.3205 by changing the saturation by 10% instead.




 8.7797, 13.7061,  
6.3205


 8.7797, 13.7061,  
6.3205


175.9679,  
215.3947, 171.3026


 4.6537, 7.9165,  
2.9690


 23.1445, 32.5666,  
19.0816


 2.0782, 4.0416,  
1.0788

 34.1140, 46.4064,  
29.3283


 0.6773, 1.6969,  
0.0000


 48.0953, 63.6983,  
42.7105

 0.0000, 0.4216,  
0.0000

 65.4540, 84.8269,  
59.6467

 0.0000, 0.0000,  
0.0000

 86.5552, 110.1764,  
80.5555

 111.7643,

140.1313, 105.8553

141.4468,  
175.0759, 135.9649

■ 8.7797, 13.7061,  
6.3205

■ 8.7797, 13.7061,  
6.3205

■ 7.9158, 13.2916,  
4.9018

■ 9.8609, 14.2259,  
8.0872

■ 7.2536, 12.9738,  
3.8072

■ 11.1716, 14.8557,  
10.2217

■ 6.7769, 12.7452,  
3.0115

■ 12.7244, 15.6020,  
12.7436

■ 6.4670, 12.5968,  
2.4851

■ 14.5305, 16.4702,  
15.6706

■ 6.2567, 12.4958,  
2.1397

■ 16.6007, 17.4654,  
19.0195

■ 18.9448, 18.5925,  
22.8061

■ 21.5724, 19.8559,  
27.0453

■ 24.4925, 21.2602,  
31.7515

■ 27.7138, 22.8093,  
36.9383

# Harmonies

## Analogous

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



10.9265, 13.7061, 3.7365



8.7797, 13.7061, 6.3205



7.8170, 13.7061, 12.3322

# Triad

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



8.7797, 13.7061, 6.3205



12.0878, 13.7061, 40.1966



19.7039, 13.7061, 9.4153

# Complementary

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



8.7797, 13.7061, 6.3205



11.8104, 7.9771, 17.1370

# 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.



20.1529, 13.7061, 17.8548



8.7797, 13.7061, 6.3205



15.3813, 13.7061, 38.3507

# Square

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



8.7797, 13.7061, 6.3205



9.5092, 13.7061, 33.4058



18.4621, 13.7061, 29.0795



17.3208, 13.7061, 4.9426



# Rectangle

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



8.7797, 13.7061, 6.3205



7.8452, 13.7061, 18.5897



18.4621, 13.7061, 29.0795



20.0999, 13.7061, 11.7743

# Sweetspot

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



8.7800, 13.7067, 6.3208



23.7770, 28.1024, 24.6873



14.0843, 16.4441, 6.4346



5.5480, 6.6445, 5.6880



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757



# Same Dimension

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



8.7800, 13.7067, 6.3208



13.7150, 23.2678, 8.2884



9.7507, 14.0949, 11.4322



3.6429, 4.0991, 3.9537



7.0203, 14.0221, 2.3973



34.1782, 68.3185, 11.5094



# Inverse Universe

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



11.8104, 7.9771, 17.1370



19.7020, 11.9438, 29.6548



10.3969, 7.4117, 9.6940



3.8240, 3.7569, 4.6002



11.4903, 5.5298, 18.3219



55.9590, 26.9337, 89.1023



# Previews

## White Background



This preview shows how the XYZ color 8.7797, 13.7061, 6.3205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

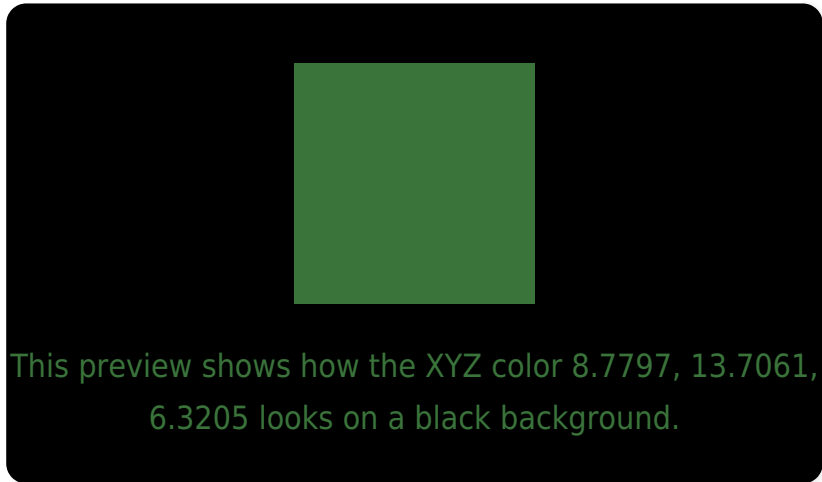
Any Text WCAG AA ✓ Pass

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

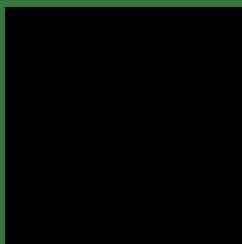
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 8.7797, 13.7061, 6.3205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 8.7797, 13.7061, 6.3205.



This preview shows how white text looks on a background with the XYZ color 8.7797, 13.7061,



# 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

8.7797, 13.7061, 6.3205

### Protanopia

12.4793, 13.5537, 5.5728

### Deuteranopia

13.7223, 13.4542, 6.5763



## Tritanopia

11.3372, 13.5849, 19.1642

# Trichromacy



## Original Color

8.7797, 13.7061, 6.3205

## Protanomaly

10.6925, 13.3903, 5.7624

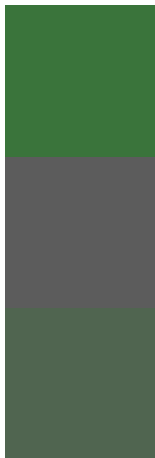
## Deuteranomaly

11.2879, 13.2177, 6.5138

## Tritanomaly

10.1986, 13.6097, 13.3987

# Monochromacy



## Original Color

8.7797, 13.7061, 6.3205

## Achromatopsia

10.1725, 10.7023, 11.6548

## Achromatomaly

9.4099, 11.5920, 9.3309

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 8.7797, 13.7061, 6.3205 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(58, 116, 59)` looks like.

```
.text, #text, p{  
    color:rgb(58, 116, 59)  
}
```

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(58, 116, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 116, 59) }
```

## Border

The CSS property to change the border of an element to XYZ 8.7797, 13.7061, 6.3205 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(58, 116, 59) }
```



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

```
.border{ border-color:rgb(58, 116, 59) }
```

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

Here you see how a box with a 4 pixel rgb(58, 116, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 116, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 116, 59);  
box-shadow:4px 4px 4px 4px rgb(58, 116,  
59) }
```

# Background

The CSS property to change the background color of an element to XYZ 8.7797, 13.7061, 6.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 116, 59) }
```

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

```
.background{ background-color: rgb(58, 116,  
59) }
```

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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