

Converting Colors

XYZ(11.7224, 13.7157, 8.7742)

Have a look what the booklet for
XYZ(11.7224, 13.7157, 8.7742)
contains.

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Color

**XYZ(11.6733, 13.6760,
8.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	636B4B
RGB	99, 107, 75
RGB Percent	39%, 42%, 29%
CMY	0.6118, 0.5804, 0.7059
CMYK	0.07, 0.00, 0.30, 0.58
HSL	75°, 18%, 36%
HSV	75°, 30%, 42%
XYZ	11.6733, 13.6760, 8.6811
YIQ	100.9600, 5.5040, -11.6480

Conversions

Conversions Part 2

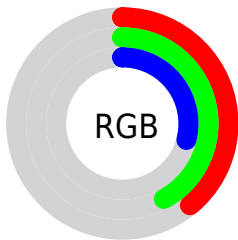
Format	Color
R_{YB}	75, 107, 83
Decimal	6515531
CIE Lab	43.76, -9.07, 16.96
CIE LCh	44, 19.236, 118.136
Yxy	13.6760, 0.3430, 0.4019
Android (android.graphics.Color)	4284705611 (0xFF636B4B)
YUV	100.9600, -12.7983, -1.7189
Hunter-Lab	36.9811, -8.3723, 11.9688

Details

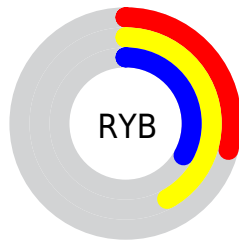
The XYZ color **11.6733, 13.6760, 8.6811** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7377, 7.9330, 14.9813**, and the grayscale version is **12.3906, 13.0359, 14.1961**.

A 20% lighter version of the original color is **28.4426, 32.3930, 23.8222**, and **3.2794, 4.0607, 1.9073** is the 20% darker color. If you saturate the color by 10%, you get **11.0501, 13.3940, 6.8984**, and if you desaturate by 10%, it is **12.3685, 13.9889, 10.7894**.

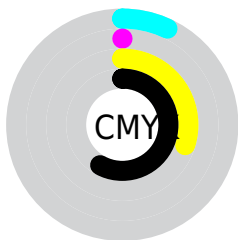
Distribution



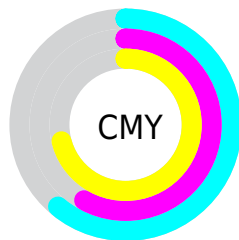
- Red (39%)
- Green (42%)
- Blue (29%)



- Red (29%)
- Yellow (42%)
- Blue (33%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6733, 13.6760, 8.6811 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 11.6733, 13.6760, 8.6811 by changing the saturation by 10% instead.

■ 11.6733, 13.6760,
8.6811

■ 11.6733, 13.6760,
8.6811

196.0447,
215.2058, 191.1104

■ 6.5922, 7.8957,
4.4398

■ 28.5207, 32.5130,
23.8511

■ 3.2525, 4.0283,
1.8696

■ 41.0178, 46.3385,
35.6169

■ 1.2886, 1.6894,
0.4733

■ 56.7176, 63.6145,
50.7279

■ 0.1747, 0.4168,
0.0000

■ 75.9854, 84.7254,
69.6027

■ 0.0000, 0.0000,
0.0000

■ 99.1867, 110.0555,
92.6598

126.6868,

139.9894, 120.3177

158.8510,
174.9114, 152.9951

■ 11.6733, 13.6760,
8.6811

■ 11.6733, 13.6760,
8.6811

■ 11.0501, 13.3940,
6.8984

■ 12.3685, 13.9889,
10.7894

■ 10.4947, 13.1397,
5.4241

■ 13.1377, 14.3320,
13.2374

■ 10.0040, 12.9124,
4.2410

■ 13.9838, 14.7071,
16.0398

■ 9.5742, 12.7106,
3.3296

■ 14.9097, 15.1152,
19.2096

■ 9.2011, 12.5325,
2.6681

■ 15.9177, 15.5573,
22.7598

■ 8.8798, 12.3762,
2.2314

■ 17.0103, 16.0344,
26.7022

■ 8.5898, 12.2334,
1.9114

■ 18.1897, 16.5474,
31.0484

■ 8.5871, 12.2321,
1.9085

■ 19.4581, 17.0972,
35.8095

■ 20.8175, 17.6847,
40.9961

Harmonies

Analogous

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



13.0936, 13.6760, 8.0143



11.6733, 13.6760, 8.6811



10.6791, 13.6760, 10.9080

Triad

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



11.6733, 13.6760, 8.6811



11.5212, 13.6760, 23.1557



16.1315, 13.6760, 15.1638

Complementary

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



11.6733, 13.6760, 8.6811



8.7377, 7.9330, 14.9813

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.



15.6318, 13.6760, 19.7414



11.6733, 13.6760, 8.6811



12.9041, 13.6760, 24.8776

Square

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



11.6733, 13.6760, 8.6811



10.5962, 13.6760, 19.1797



14.4207, 13.6760, 23.5217



15.7392, 13.6760, 11.2944

Rectangle

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



11.6733, 13.6760, 8.6811



10.3522, 13.6760, 13.2413



14.4207, 13.6760, 23.5217



16.0616, 13.6760, 16.6720

Sweetspot

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



11.6737, 13.6766, 8.6814



23.6184, 25.7043, 24.0104



10.4271, 9.8207, 8.0028



5.6766, 6.2038, 5.6813



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.



11.6737, 13.6766, 8.6814



20.0957, 24.1236, 13.2165



10.0954, 12.8630, 8.6075



3.2629, 3.5473, 3.3302



10.4179, 14.8658, 2.3203



52.2607, 75.3235, 11.7845

Inverse Universe

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



8.7377, 7.9330, 14.9813



13.9112, 12.0201, 26.4946



10.3159, 8.7467, 15.0552



3.0128, 3.0583, 3.8664



3.7446, 1.5575, 17.0255



18.3884, 7.5792, 86.7200

Previews

White Background



This preview shows how the XYZ color 11.6733, 13.6760, 8.6811 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 11.6733, 13.6760, 8.6811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

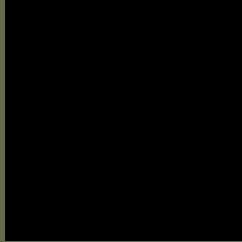
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6733, 13.6760, 8.6811

Background



This preview shows how black text looks on a background with the XYZ color 11.6733, 13.6760, 8.6811.



This preview shows how white text looks on a background with the XYZ color 11.6733, 13.6760,

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

11.6733, 13.6760, 8.6811

Protanopia

12.6084, 13.5610, 8.2563

Deuteranopia

13.8274, 13.5971, 8.9169



Tritanopia

13.3295, 13.5935, 16.9602

Trichromacy



Original Color

11.6733, 13.6760, 8.6811

Protanomaly

12.2497, 13.5208, 8.4427

Deuteranomaly

12.9953, 13.6020, 8.7780

Tritanomaly

12.6344, 13.6073, 13.5158

Monochromacy



Original Color

11.6733, 13.6760, 8.6811

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0375, 13.1825, 12.0352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6733, 13.6760, 8.6811 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(99, 107, 75) looks like.

```
.text, #text, p{  
    color:rgb(99, 107, 75)  
}
```

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(99, 107, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 107, 75) }
```

Border

The CSS property to change the border of an element to XYZ 11.6733, 13.6760, 8.6811 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(99, 107, 75) }
```


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

```
.border{ border-color:rgb(99, 107, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 107, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 107, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 107, 75);  
box-shadow:4px 4px 4px 4px rgb(99, 107,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6733, 13.6760, 8.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 107, 75) }
```

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

```
.background{ background-color: rgb(99, 107,  
75) }
```

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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