

Converting Colors

XYZ(11.4587, 13.3733, 13.7813)

Have a look what the booklet for
XYZ(11.4587, 13.3733, 13.7813)
contains.

XYZ(11.4307, 13.2836, 13.7659)	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(11.4307, 13.2836,
13.7659)**

Conversions

Conversions Part 1

Format	Color
Hex	586A63
RGB	88, 106, 99
RGB Percent	35%, 42%, 39%
CMY	0.6549, 0.5843, 0.6118
CMYK	0.17, 0.00, 0.07, 0.58
HSL	157°, 9%, 38%
HSV	157°, 17%, 42%
XYZ	11.4307, 13.2836, 13.7659
YIQ	99.8200, -8.4810, -5.9930

Conversions

Conversions Part 2

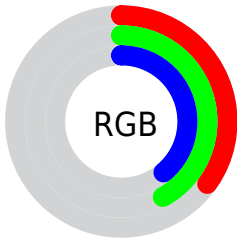
Format	Color
R _Y B	88, 99, 106
Decimal	5794403
CIE Lab	43.19, -8.32, 1.67
CIE LCh	43, 8.482, 168.660
Yxy	13.2836, 0.2971, 0.3452
Android (android.graphics.Color)	4283984483 (0xFF586A63)
YUV	99.8200, -0.4043, -10.3661
Hunter-Lab	36.4467, -7.7991, 3.1189

Details

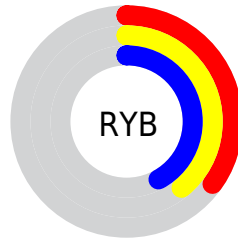
The XYZ color **11.4307, 13.2836, 13.7659** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4997, 10.8703, 12.3192**, and the grayscale version is **12.0701, 12.6987, 13.8289**.

A 20% lighter version of the original color is **28.0432, 31.7192, 33.4985**, and **3.1614, 3.8772, 3.9499** is the 20% darker color. If you saturate the color by 10%, you get **10.3073, 12.7270, 12.7107**, and if you desaturate by 10%, it is **12.7108, 13.9205, 14.8816**.

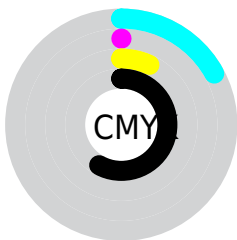
Distribution



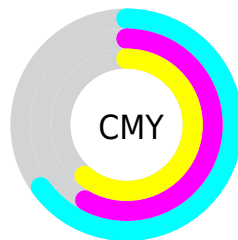
- Red (35%)
- Green (42%)
- Blue (39%)



- Red (35%)
- Yellow (39%)
- Blue (42%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (58%)



- Cyan (65%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4307, 13.2836, 13.7659 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 11.4307, 13.2836, 13.7659 by changing the saturation by 10% instead.

■ 11.4307, 13.2836,
13.7659

■ 11.4307, 13.2836,
13.7659

■ 194.4469,
212.7273, 227.1471

■ 6.4267, 7.6241,
7.8211

■ 28.0798, 31.8124,
33.3842

■ 3.1494, 3.8554,
3.8946

■ 40.4557, 45.4504,
47.8948

■ 1.2332, 1.5930,
1.5677

■ 56.0196, 62.5168,
66.0978

■ 0.1324, 0.3529,
0.2676

■ 75.1369, 83.3959,
88.4117

■ 0.0000, 0.0000,
0.0000

■ 98.1729, 108.4721,
115.2550

125.4930,

138.1298, 147.0464

157.4626,
172.7534, 184.2042

■ 11.4307, 13.2836,
13.7659

■ 11.4307, 13.2836,
13.7659

■ 10.3073, 12.7270,
12.7107

■ 12.7108, 13.9205,
14.8816

■ 9.3331, 12.2459,
11.7140

■ 14.1527, 14.6393,
16.0578

■ 8.5017, 11.8372,
10.7749

■ 15.7622, 15.4433,
17.2960

■ 7.8055, 11.4971,
9.8923

■ 17.5450, 16.3354,
18.5970

■ 7.2364, 11.2214,
9.0651

■ 19.5061, 17.3182,
19.9619

■ 6.7854, 11.0056,
8.2918

■ 21.6505, 18.3943,
21.3916

■ 6.4422, 10.8442,
7.5712

■ 23.9830, 19.5660,
22.8869

■ 6.1782, 10.7227,
6.9010

■ 26.5082, 20.8358,
24.4488

■ 6.1018, 10.6875,
6.7078

■ 29.2304, 22.2060,
26.0782

Harmonies

Analogous

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



11.7035, 13.2836, 12.2096



11.4307, 13.2836, 13.7659



11.4697, 13.2836, 15.6485

Triad

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



11.4307, 13.2836, 13.7659



13.0329, 13.2836, 18.1569



13.4759, 13.2836, 11.9211

Complementary

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



11.4307, 13.2836, 13.7659



11.4997, 10.8703, 12.3192

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.



13.8568, 13.2836, 13.3400



11.4307, 13.2836, 13.7659



13.5950, 13.2836, 16.9791

Square

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



11.4307, 13.2836, 13.7659



12.3796, 13.2836, 18.2959



13.9011, 13.2836, 15.1844



12.8749, 13.2836, 11.2076

Rectangle

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



11.4307, 13.2836, 13.7659



11.6676, 13.2836, 16.8357



13.9011, 13.2836, 15.1844



13.6348, 13.2836, 12.3254

Sweetspot

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



11.4311, 13.2842, 13.7662



22.7517, 24.6514, 26.4889



11.6561, 13.4568, 11.2160



5.3008, 5.7602, 6.1810



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



11.4311, 13.2842, 13.7662



19.3258, 22.9483, 23.4856



11.5970, 13.0568, 15.5452



3.1344, 3.4729, 3.6914



7.5555, 13.2563, 8.2361



38.0636, 67.3725, 39.6772

Inverse Universe

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



11.4997, 10.8703, 12.3192



19.4682, 17.9415, 20.4849



11.3451, 11.0478, 10.7674



3.1440, 3.1345, 3.4884



7.8623, 3.9970, 2.9032



39.6618, 20.2067, 12.6877

Previews

White Background



This preview shows how the XYZ color 11.4307, 13.2836, 13.7659 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 11.4307, 13.2836, 13.7659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

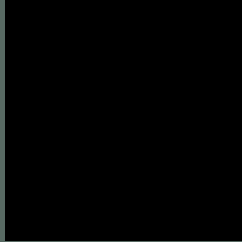
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

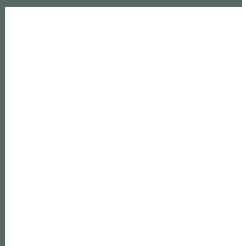
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.4307, 13.2836, 13.7659

Background



This preview shows how black text looks on a background with the XYZ color 11.4307, 13.2836, 13.7659.



This preview shows how white text looks on a background with the XYZ color 11.4307, 13.2836,

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

11.4307, 13.2836, 13.7659

Protanopia

12.5907, 13.1551, 12.9419

Deuteranopia

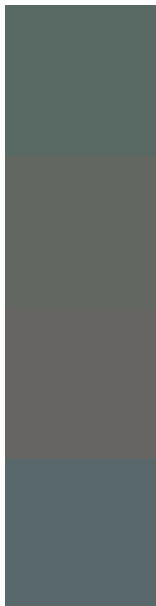
13.3987, 13.1197, 14.1381



Tritanopia

12.0914, 13.2441, 17.2483

Trichromacy



Original Color

11.4307, 13.2836, 13.7659

Protanomaly

12.1535, 13.2162, 13.2197

Deuteranomaly

12.5474, 13.1110, 13.9260

Tritanomaly

11.8252, 13.2885, 15.8516

Monochromacy



Original Color

11.4307, 13.2836, 13.7659

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8755, 12.9096, 13.9225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4307, 13.2836, 13.7659 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(88, 106, 99) looks like.

```
.text, #text, p{  
    color:rgb(88, 106, 99)  
}
```

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(88, 106, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 106, 99) }
```

Border

The CSS property to change the border of an element to XYZ 11.4307, 13.2836, 13.7659 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(88, 106, 99) }
```


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

```
.border{ border-color:rgb(88, 106, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 106, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 106, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 106, 99);  
box-shadow:4px 4px 4px 4px rgb(88, 106,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4307, 13.2836, 13.7659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 106, 99) }
```

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

```
.background{ background-color: rgb(88, 106,  
99) }
```

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