

Converting Colors

XYZ(13.6555, 17.5351, 15.5315)

Have a look what the booklet for
XYZ(13.6555, 17.5351, 15.5315)
contains.

XYZ(13.5863, 17.4208, 15.4784)	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(13.5863, 17.4208,
15.4784)**

Conversions

Conversions Part 1

Format	Color
Hex	577C67
RGB	87, 124, 103
RGB Percent	34%, 49%, 40%
CMY	0.6588, 0.5137, 0.5961
CMYK	0.30, 0.00, 0.17, 0.51
HSL	146°, 18%, 41%
HSV	146°, 30%, 49%
XYZ	13.5863, 17.4208, 15.4784
YIQ	110.5430, -15.3110, -14.3750

Conversions

Conversions Part 2

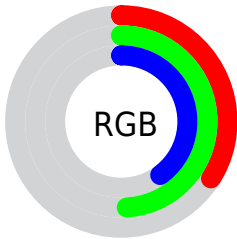
Format	Color
R_{YB}	87, 113, 124
Decimal	5733479
CIE Lab	48.79, -17.82, 7.32
CIE LCh	49, 19.263, 157.668
Yxy	17.4208, 0.2923, 0.3748
Android (android.graphics.Color)	4283923559 (0xFF577C67)
YUV	110.5430, -3.7187, -20.6472
Hunter-Lab	41.7382, -14.9380, 7.2294

Details

The XYZ color **13.5863, 17.4208, 15.4784** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.4277, 12.1846, 15.7795**, and the grayscale version is **14.9911, 15.7718, 17.1755**.

A 20% lighter version of the original color is **32.0361, 39.1806, 36.4460**, and **4.1050, 5.7688, 4.6385** is the 20% darker color. If you saturate the color by 10%, you get **12.1881, 16.7396, 13.6460**, and if you desaturate by 10%, it is **15.2141, 18.2179, 17.4776**.

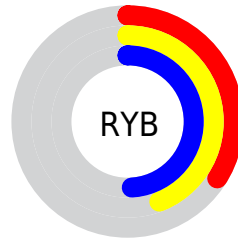
Distribution



Red (34%)

Green (49%)

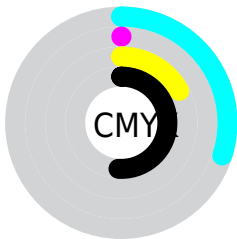
Blue (40%)



Red (34%)

Yellow (44%)

Blue (49%)

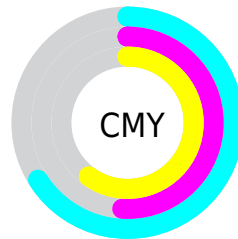


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5863, 17.4208, 15.4784 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 13.5863, 17.4208, 15.4784 by changing the saturation by 10% instead.

■ 13.5863, 17.4208,
15.4784

■ 13.5863, 17.4208,
15.4784

208.2043,
237.5858, 237.9836

■ 7.9133, 10.5350,
9.0055

■ 31.9456, 39.0479,
36.4444

■ 4.0908, 5.7551,
4.6479

■ 45.3626, 54.5579,
51.7745

■ 1.7537, 2.6967,
1.9871

■ 62.0916, 73.7114,
70.8942

■ 0.4895, 0.9755,
0.5473

■ 82.4979, 96.8929,
94.2218

■ 0.0000, 0.0000,
0.0000

■ 106.9470,
124.4867, 122.1760

135.8042,

156.8772, 155.1754

169.4349,
194.4487, 193.6384

■ 13.5863, 17.4208,
15.4784

■ 13.5863, 17.4208,
15.4784

■ 12.1881, 16.7396,
13.6460

■ 15.2141, 18.2179,
17.4776

■ 11.0072, 16.1666,
11.9749

■ 17.0803, 19.1339,
19.6465

■ 10.0322, 15.6965,
10.4609

■ 19.1948, 20.1742,
21.9895

■ 9.2502, 15.3226,
9.0994

■ 21.5666, 21.3436,
24.5105

■ 8.6465, 15.0377,
7.8853

■ 24.2042, 22.6463,
27.2132

■ 8.2043, 14.8330,
6.8133

■ 27.1158, 24.0864,
30.1013

■ 7.8701, 14.6811,
5.8762

■ 30.3092, 25.6678,
33.1782

■ 7.8649, 14.6787,
5.8622

■ 33.7917, 27.3944,
36.4473

■ 37.5707, 29.2697,
39.9120

Harmonies

Analogous

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



14.5510, 17.4208, 12.2124



13.5863, 17.4208, 15.4784



13.3889, 17.4208, 20.3081

Triad

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



13.5863, 17.4208, 15.4784



17.0194, 17.4208, 30.4510



19.4211, 17.4208, 13.5812

Complementary

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



13.5863, 17.4208, 15.4784



14.4277, 12.1846, 15.7795

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.



20.1914, 17.4208, 17.6888



13.5863, 17.4208, 15.4784



18.7414, 17.4208, 27.8450

Square

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



13.5863, 17.4208, 15.4784



15.2898, 17.4208, 29.5708



19.9341, 17.4208, 22.9469



17.8944, 17.4208, 11.2619

Rectangle

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



13.5863, 17.4208, 15.4784



13.7048, 17.4208, 23.8998



19.9341, 17.4208, 22.9469



19.7819, 17.4208, 14.7666

Sweetspot

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



13.5868, 17.4215, 15.4788



30.2758, 33.7777, 34.8206



15.1841, 18.3290, 11.7546



7.0286, 7.9051, 8.0853



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.5868, 17.4215, 15.4788



22.1409, 29.7942, 24.9453



14.5848, 17.8207, 20.7342



4.0161, 4.4761, 4.6189



7.9938, 14.9212, 5.9525



37.7209, 71.0114, 26.2323

Inverse Universe

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



14.4277, 12.1846, 15.7795



23.8780, 18.9721, 25.5628



13.5699, 11.8415, 11.2621



4.0847, 4.0496, 4.6436



9.5849, 4.8101, 6.3711



45.2878, 22.7715, 28.1095

Previews

White Background



This preview shows how the XYZ color 13.5863, 17.4208, 15.4784 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 13.5863, 17.4208, 15.4784 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 13.5863, 17.4208, 15.4784

Background



This preview shows how black text looks on a background with the XYZ color 13.5863, 17.4208, 15.4784.

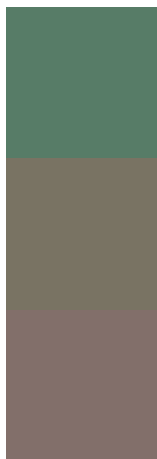


This preview shows how white text looks on a background with the XYZ color 13.5863, 17.4208,

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

13.5863, 17.4208, 15.4784

Protanopia

16.2680, 17.2273, 14.2722

Deuteranopia

17.4919, 17.1553, 16.0251



Tritanopia

15.1594, 17.3200, 23.6632

Trichromacy



Original Color

13.5863, 17.4208, 15.4784

Protanomaly

15.0854, 17.1282, 14.5676

Deuteranomaly

15.7346, 17.0881, 15.8336

Tritanomaly

14.4440, 17.2045, 20.3288

Monochromacy



Original Color

13.5863, 17.4208, 15.4784

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4317, 16.3983, 16.5919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5863, 17.4208, 15.4784 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(87, 124, 103)` looks like.

```
.text, #text, p{  
    color:rgb(87, 124, 103)  
}
```

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(87, 124, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 124, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.5863, 17.4208, 15.4784 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(87, 124, 103) }
```


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

```
.border{ border-color:rgb(87, 124, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 124, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 124, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 124, 103);  
box-shadow:4px 4px 4px 4px rgb(87, 124,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5863, 17.4208, 15.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 124, 103) }
```

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

```
.background{ background-color: rgb(87, 124,  
103) }
```

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