

Converting Colors

XYZ(13.8863, 16.5848, 19.9853)

Have a look what the booklet for
XYZ(13.8863, 16.5848, 19.9853)
contains.

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Color

**XYZ(13.8571, 16.5518,
19.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	577777
RGB	87, 119, 119
RGB Percent	34%, 47%, 47%
CMY	0.6588, 0.5333, 0.5333
CMYK	0.27, 0.00, 0.00, 0.53
HSL	180°, 16%, 40%
HSV	180°, 27%, 47%
XYZ	13.8571, 16.5518, 19.9172
YIQ	109.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

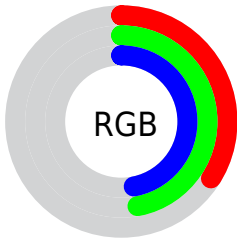
Format	Color
R_{YB}	87, 103, 119
Decimal	5732215
CIE _{Lab}	47.69, -11.37, -3.72
CIE _{LCh}	48, 11.964, 198.123
Yxy	16.5518, 0.2753, 0.3289
Android (android.graphics.Color)	4283922295 (0xFF577777)
YUV	109.4320, 4.7170, -19.6729
Hunter-Lab	40.6839, -10.3990, -0.5473

Details

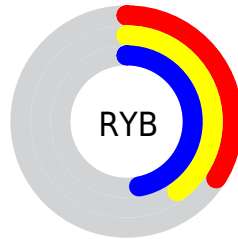
The XYZ color **13.8571, 16.5518, 19.9172** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7369, 11.4270, 10.5519**, and the grayscale version is **14.6499, 15.4128, 16.7846**.

A 20% lighter version of the original color is **32.3948, 37.4694, 44.0530**, and **4.2656, 5.4125, 6.7811** is the 20% darker color. If you saturate the color by 10%, you get **12.8365, 16.0261, 19.8696**, and if you desaturate by 10%, it is **15.0619, 17.1733, 19.9741**.

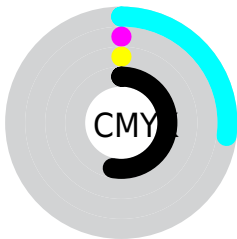
Distribution



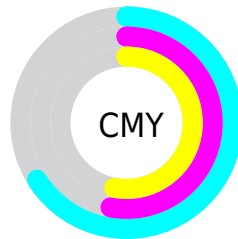
- Red (34%)
- Green (47%)
- Blue (47%)



- Red (34%)
- Yellow (40%)
- Blue (47%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8571, 16.5518, 19.9172 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 13.8571, 16.5518, 19.9172 by changing the saturation by 10% instead.

■ 13.8571, 16.5518,
19.9172

■ 13.8571, 16.5518,
19.9172

209.8685,
232.5761, 264.0559

■ 8.1024, 9.9155,
12.1514

■ 32.4236, 37.5535,
44.1355

■ 4.2129, 5.3429,
6.7231

■ 45.9662, 52.6877,
61.4250

■ 1.8233, 2.4498,
3.2137

■ 62.8354, 71.4233,
82.7262

■ 0.5316, 0.8514,
1.2048

■ 83.3966, 94.1447,
108.4576

■ 0.0000, 0.0000,
0.0000

■ 108.0151,
121.2363, 139.0377

137.0564,

153.0824, 174.8851

170.8857,
190.0676, 216.4183

■ 13.8571, 16.5518,
19.9172

■ 13.8571, 16.5518,
19.9172

■ 12.8365, 16.0261,
19.8696

■ 15.0619, 17.1733,
19.9741

■ 11.9896, 15.5895,
19.8298

■ 16.4577, 17.8929,
20.0396

■ 11.3073, 15.2378,
19.7977

■ 18.0529, 18.7152,
20.1145

■ 10.7787, 14.9653,
19.7727

■ 19.8550, 19.6442,
20.1990

■ 10.3921, 14.7660,
19.7545

■ 21.8708, 20.6834,
20.2935

■ 10.1336, 14.6327,
19.7422

■ 24.1072, 21.8363,
20.3984

■ 9.9730, 14.5499,
19.7345

■ 26.5704, 23.1062,
20.5138

■ 9.9267, 14.5260,
19.7322

■ 29.2668, 24.4962,
20.6402

■ 32.2021, 26.0094,
20.7778

Harmonies

Analogous

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



13.8039, 16.5518, 16.8368



13.8571, 16.5518, 19.9172



14.3986, 16.5518, 22.7734

Triad

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



13.8571, 16.5518, 19.9172



17.3137, 16.5518, 22.2470



16.1591, 16.5518, 12.8505

Complementary

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



13.8571, 16.5518, 19.9172



12.7369, 11.4270, 10.5519

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.



17.1453, 16.5518, 13.9823



13.8571, 16.5518, 19.9172



17.8318, 16.5518, 19.2618

Square

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



13.8571, 16.5518, 19.9172



16.3805, 16.5518, 24.2200



17.7688, 16.5518, 16.2512



15.1008, 16.5518, 12.9835

Rectangle

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



13.8571, 16.5518, 19.9172



14.9780, 16.5518, 24.0596



17.7688, 16.5518, 16.2512



16.5109, 16.5518, 13.0899

Sweetspot

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



13.8576, 16.5525, 19.9176



29.1218, 31.8603, 35.8676



12.2981, 15.9345, 11.4447



6.8219, 7.5095, 8.4965



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.8576, 16.5525, 19.9176



23.6926, 29.0615, 35.6127



12.1643, 13.1657, 19.3536



3.7833, 4.1553, 4.6928



10.5461, 15.4324, 20.9635



51.3922, 75.2042, 102.1572

Inverse Universe

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



12.7369, 11.4270, 10.5519



21.3441, 18.3206, 15.9861



14.1260, 14.2054, 11.0146



3.6840, 3.7009, 3.8625



8.0828, 4.1668, 0.3784



39.3886, 20.3056, 1.8437

Previews

White Background



This preview shows how the XYZ color 13.8571, 16.5518, 19.9172 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 13.8571, 16.5518, 19.9172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

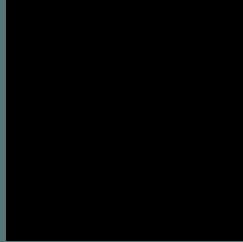
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8571, 16.5518, 19.9172

Background



This preview shows how black text looks on a background with the XYZ color 13.8571, 16.5518, 19.9172.



This preview shows how white text looks on a background with the XYZ color 13.8571, 16.5518,

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

13.8571, 16.5518, 19.9172

Protanopia

15.8281, 16.4036, 18.5516

Deuteranopia

16.7728, 16.5254, 20.3949



Tritanopia

14.4290, 16.6130, 22.5248

Trichromacy



Original Color

13.8571, 16.5518, 19.9172

Protanomaly

14.9920, 16.4655, 18.9110

Deuteranomaly

15.4796, 16.3545, 20.1102

Tritanomaly

14.1410, 16.4868, 21.5057

Monochromacy



Original Color

13.8571, 16.5518, 19.9172

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.2526, 15.7692, 17.9154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8571, 16.5518, 19.9172 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, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 119)  
}
```

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, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.8571, 16.5518, 19.9172 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, 119, 119) }
```


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

```
.border{ border-color:rgb(87, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8571, 16.5518, 19.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 119) }
```

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

```
.background{ background-color: rgb(87, 119,  
119) }
```

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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