

Converting Colors

XYZ(13.9009, 18.2224, 15.9217)

Have a look what the booklet for
XYZ(13.9009, 18.2224, 15.9217)
contains.

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Color

**XYZ(13.8344, 18.1095,
15.8630)**

Conversions

Conversions Part 1

Format	Color
Hex	557F68
RGB	85, 127, 104
RGB Percent	33%, 50%, 41%
CMY	0.6667, 0.5020, 0.5922
CMYK	0.33, 0.00, 0.18, 0.50
HSL	147°, 20%, 42%
HSV	147°, 33%, 50%
XYZ	13.8344, 18.1095, 15.8630
YIQ	111.8200, -17.6490, -16.0570

Conversions

Conversions Part 2

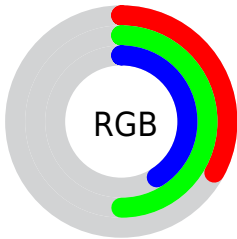
Format	Color
R_{YB}	85, 114, 127
Decimal	5603176
CIE _{Lab}	49.63, -19.87, 7.92
CIE _{LCh}	50, 21.388, 158.280
Yxy	18.1095, 0.2894, 0.3788
Android (android.graphics.Color)	4283793256 (0xFF557F68)
YUV	111.8200, -3.8553, -23.5211
Hunter-Lab	42.5553, -16.4427, 7.6876

Details

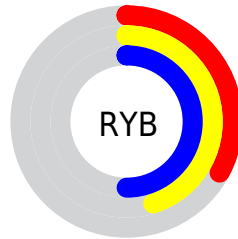
The XYZ color **13.8344, 18.1095, 15.8630** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.7083, 12.0923, 15.7471**, and the grayscale version is **15.3634, 16.1635, 17.6020**.

A 20% lighter version of the original color is **32.3910, 40.2433, 37.0709**, and **4.2259, 6.1375, 4.8328** is the 20% darker color. If you saturate the color by 10%, you get **12.4445, 17.4326, 14.0294**, and if you desaturate by 10%, it is **15.4614, 18.9062, 17.8606**.

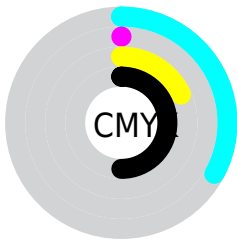
Distribution



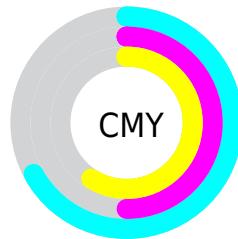
- Red (33%)
- Green (50%)
- Blue (41%)



- Red (33%)
- Yellow (45%)
- Blue (50%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (50%)



- Cyan (67%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8344, 18.1095, 15.8630 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 13.8344, 18.1095, 15.8630 by changing the saturation by 10% instead.

■ 13.8344, 18.1095,
15.8630

■ 13.8344, 18.1095,
15.8630

209.7295,
241.4875, 240.3500

■ 8.0865, 11.0286,
9.2740

■ 32.3836, 40.2238,
37.1237

■ 4.2026, 6.0861,
4.8211

■ 45.9157, 56.0261,
52.6324

■ 1.8174, 2.8975,
2.0858

■ 62.7732, 75.5042,
71.9514

■ 0.5281, 1.0785,
0.6073

■ 83.3214, 99.0427,
95.4993

■ 0.0000, 0.0000,
0.0000

■ 107.9258,
127.0259, 123.6945

136.9517,

159.8381, 156.9557

170.7645,
197.8639, 195.7013

■ 13.8344, 18.1095,
15.8630

■ 13.8344, 18.1095,
15.8630

■ 12.4445, 17.4326,
14.0294

■ 15.4614, 18.9062,
17.8606

■ 11.2785, 16.8674,
12.3544

■ 17.3350, 19.8261,
20.0251

■ 10.3240, 16.4080,
10.8340

■ 19.4659, 20.8752,
22.3607

■ 9.5668, 16.0472,
9.4635

■ 21.8637, 22.0582,
24.8712

■ 8.9908, 15.7768,
8.2382

■ 24.5375, 23.3799,
27.5603

■ 8.5768, 15.5869,
7.1529

■ 27.4961, 24.8446,
30.4314

■ 8.3395, 15.4793,
6.4783

■ 30.7477, 26.4566,
33.4879

■ 34.3003, 28.2198,
36.7332

■ 38.1615, 30.1383,
40.1706

Harmonies

Analogous

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



14.9055, 18.1095, 12.1790



13.8344, 18.1095, 15.8630



13.6310, 18.1095, 21.3725

Triad

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



13.8344, 18.1095, 15.8630



17.7809, 18.1095, 32.9813



20.4627, 18.1095, 13.5709

Complementary

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



13.8344, 18.1095, 15.8630



14.7083, 12.0923, 15.7471

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.



21.3722, 18.1095, 18.1515



13.8344, 18.1095, 15.8630



19.7462, 18.1095, 29.8620

Square

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



13.8344, 18.1095, 15.8630



15.8078, 18.1095, 32.0361



21.1002, 18.1095, 24.1522



18.6982, 18.1095, 11.0481

Rectangle

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



13.8344, 18.1095, 15.8630



13.9982, 18.1095, 25.5040



21.1002, 18.1095, 24.1522



20.8847, 18.1095, 14.8811

Sweetspot

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



13.8349, 18.1102, 15.8634



32.0751, 36.0108, 37.0123



15.4262, 19.0298, 11.4548



7.4075, 8.3809, 8.5521



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.8349, 18.1102, 15.8634



22.7776, 31.4564, 25.7941



15.0316, 18.5889, 22.1651



4.3506, 4.8486, 5.0175



8.4096, 15.6104, 6.5297



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.7083, 12.0923, 15.7471



24.6049, 18.8599, 25.5463



13.7259, 11.6993, 10.5734



4.4186, 4.3806, 5.0087



9.9270, 4.9905, 6.2054



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8344, 18.1095, 15.8630 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 13.8344, 18.1095, 15.8630 looks on a black 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

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

XYZ 13.8344, 18.1095, 15.8630

Background



This preview shows how black text looks on a background with the XYZ color 13.8344, 18.1095, 15.8630.



This preview shows how white text looks on a background with the XYZ color 13.8344, 18.1095,

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

13.8344, 18.1095, 15.8630

Protanopia

16.9256, 17.9085, 14.3690

Deuteranopia

18.2318, 17.8583, 16.3960



Tritanopia

15.6310, 18.0835, 24.8569

Trichromacy



Original Color

13.8344, 18.1095, 15.8630

Protanomaly

15.6167, 17.9293, 14.9495

Deuteranomaly

16.2824, 17.7105, 16.1960

Tritanomaly

14.8403, 17.9443, 21.0938

Monochromacy



Original Color

13.8344, 18.1095, 15.8630

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6011, 16.6515, 16.9125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8344, 18.1095, 15.8630 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(85, 127, 104)` looks like.

```
.text, #text, p{  
    color:rgb(85, 127, 104)  
}
```

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(85, 127, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 127, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.8344, 18.1095, 15.8630 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(85, 127, 104) }
```


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

```
.border{ border-color:rgb(85, 127, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 127, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 127, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 127, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 127,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8344, 18.1095, 15.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 127, 104) }
```

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

```
.background{ background-color: rgb(85, 127,  
104) }
```

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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