

Converting Colors

XYZ(13.1329, 16.2921, 16.4760)

Have a look what the booklet for
XYZ(13.1329, 16.2921, 16.4760)
contains.

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Color

**XYZ(13.0884, 16.2336,
16.3535)**

Conversions

Conversions Part 1

Format	Color
Hex	56776B
RGB	86, 119, 107
RGB Percent	34%, 47%, 42%
CMY	0.6627, 0.5333, 0.5804
CMYK	0.28, 0.00, 0.10, 0.53
HSL	158°, 16%, 40%
HSV	158°, 28%, 47%
XYZ	13.0884, 16.2336, 16.3535
YIQ	107.7650, -15.8160, -10.7280

Conversions

Conversions Part 2

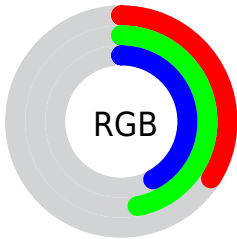
Format	Color
R _Y B	86, 106, 119
Decimal	5666667
CIE Lab	47.28, -14.56, 2.79
CIE LCh	47, 14.824, 169.147
Yxy	16.2336, 0.2866, 0.3554
Android (android.graphics.Color)	4283856747 (0xFF56776B)
YUV	107.7650, -0.3771, -19.0879
Hunter-Lab	40.2909, -12.5239, 4.1387

Details

The XYZ color **13.0884, 16.2336, 16.3535** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1407, 11.4597, 13.0752**, and the grayscale version is **14.1926, 14.9317, 16.2606**.

A 20% lighter version of the original color is **31.0510, 36.9128, 37.8361**, and **3.8425, 5.1379, 5.0642** is the 20% darker color. If you saturate the color by 10%, you get **11.8607, 15.6268, 15.1373**, and if you desaturate by 10%, it is **14.5108, 16.9404, 17.6390**.

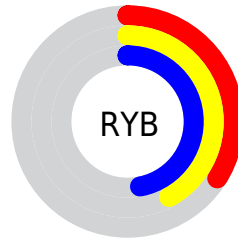
Distribution



Red (34%)

Green (47%)

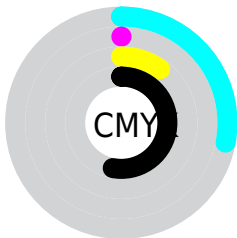
Blue (42%)



Red (34%)

Yellow (42%)

Blue (47%)

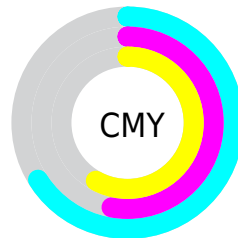


Cyan (28%)

Magenta (0%)

Yellow (10%)

Black (53%)



Cyan (66%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0884, 16.2336, 16.3535 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 13.0884, 16.2336, 16.3535 by changing the saturation by 10% instead.

■ 13.0884, 16.2336,
16.3535

■ 13.0884, 16.2336,
16.3535

205.1096,
230.7162, 243.3352

■ 7.5669, 9.6896,
9.6176

■ 31.0625, 37.0033,
37.9861

■ 3.8685, 5.1936,
5.0439

■ 44.2457, 51.9977,
53.7199

■ 1.6280, 2.3613,
2.2138

■ 60.7136, 70.5778,
73.2900

■ 0.4106, 0.8059,
0.6823

■ 80.8314, 93.1279,
97.1151

■ 0.0000, 0.0000,
0.0000

■ 104.9646,
120.0324, 125.6136

133.4784,

151.6757, 159.2041

166.7383,
188.4422, 198.3051

■ 13.0884, 16.2336,
16.3535

■ 13.0884, 16.2336,
16.3535

■ 11.8607, 15.6268,
15.1373

■ 14.5108, 16.9404,
17.6390

■ 10.8173, 15.1132,
13.9880

■ 16.1353, 17.7495,
18.9940

■ 9.9485, 14.6885,
12.9047

■ 17.9702, 18.6657,
20.4199

■ 9.2436, 14.3469,
11.8859

■ 20.0231, 19.6931,
21.9181

■ 8.6901, 14.0821,
10.9301

■ 22.3014, 20.8351,
23.4896

■ 8.2742, 13.8871,
10.0358

■ 24.8118, 22.0954,
25.1355

■ 7.9601, 13.7433,
9.2003

■ 27.5609, 23.4774,
26.8569

■ 7.8921, 13.7122,
9.0183

■ 30.5550, 24.9842,
28.6549

■ 33.8002, 26.6190,
30.5303

Harmonies

Analogous

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



13.6039, 16.2336, 13.3693



13.0884, 16.2336, 16.3535



13.1730, 16.2336, 20.1456

Triad

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



13.0884, 16.2336, 16.3535



16.2695, 16.2336, 25.3927



17.1343, 16.2336, 12.7669

Complementary

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



13.0884, 16.2336, 16.3535



13.1407, 11.4597, 13.0752

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.



17.9302, 16.2336, 15.4163



13.0884, 16.2336, 16.3535



17.4117, 16.2336, 22.8196

Square

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



13.0884, 16.2336, 16.3535



14.9607, 16.2336, 25.7377



18.0344, 16.2336, 19.0672



15.9081, 16.2336, 11.5020

Rectangle

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



13.0884, 16.2336, 16.3535



13.5597, 16.2336, 22.6254



18.0344, 16.2336, 19.0672



17.4639, 16.2336, 13.5062

Sweetspot

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



13.0889, 16.2343, 16.3539



28.7471, 31.7105, 33.8942



13.3248, 16.4685, 11.2807



6.7194, 7.4685, 7.9569



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.



13.0889, 16.2343, 16.3539



22.0543, 28.3851, 27.9393



13.2532, 15.4814, 19.7432



3.7295, 4.1338, 4.4094



8.3799, 14.5660, 9.5564



40.4143, 70.8130, 44.3484

Inverse Universe

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



13.1407, 11.4597, 13.0752



22.1637, 18.3950, 21.0839



12.9779, 11.9742, 10.4316



3.7339, 3.7208, 4.1255



8.5471, 4.3526, 2.8233



41.2717, 21.0588, 11.7598

Previews

White Background



This preview shows how the XYZ color 13.0884, 16.2336, 16.3535 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 13.0884, 16.2336, 16.3535 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 13.0884, 16.2336, 16.3535

Background



This preview shows how black text looks on a background with the XYZ color 13.0884, 16.2336, 16.3535.



This preview shows how white text looks on a background with the XYZ color 13.0884, 16.2336,

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

13.0884, 16.2336, 16.3535

Protanopia

15.3351, 16.0612, 15.1238

Deuteranopia

16.2913, 16.0402, 16.7054



Tritanopia

14.2277, 16.1708, 22.1101

Trichromacy



Original Color

13.0884, 16.2336, 16.3535

Protanomaly

14.3417, 16.0374, 15.4363

Deuteranomaly

14.9314, 15.9860, 16.4860

Tritanomaly

13.8109, 16.1783, 19.8476

Monochromacy



Original Color

13.0884, 16.2336, 16.3535

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7565, 15.3804, 16.4310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0884, 16.2336, 16.3535 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(86, 119, 107) looks like.

```
.text, #text, p{  
    color:rgb(86, 119, 107)  
}
```

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(86, 119, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 119, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.0884, 16.2336, 16.3535 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(86, 119, 107) }
```


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

```
.border{ border-color:rgb(86, 119, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 119, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 119, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 119, 107);  
box-shadow:4px 4px 4px 4px rgb(86, 119,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0884, 16.2336, 16.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 119, 107) }
```

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

```
.background{ background-color: rgb(86, 119,  
107) }
```

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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