

Converting Colors

XYZ(13.2455, 16.8768, 15.3914)

Have a look what the booklet for
XYZ(13.2455, 16.8768, 15.3914)
contains.

XYZ(13.2455, 16.8768, 15.3914)	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(13.2455, 16.8768,
15.3914)**

Conversions

Conversions Part 1

Format	Color
Hex	567A67
RGB	86, 122, 103
RGB Percent	34%, 48%, 40%
CMY	0.6627, 0.5216, 0.5961
CMYK	0.30, 0.00, 0.16, 0.52
HSL	148°, 17%, 41%
HSV	148°, 30%, 48%
XYZ	13.2455, 16.8768, 15.3914
YIQ	109.0700, -15.3570, -13.5410

Conversions

Conversions Part 2

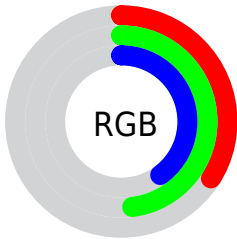
Format	Color
R_{YB}	86, 110, 122
Decimal	5667431
CIE Lab	48.10, -17.09, 6.34
CIE LCh	48, 18.224, 159.640
Yxy	16.8768, 0.2910, 0.3708
Android (android.graphics.Color)	4283857511 (0xFF567A67)
YUV	109.0700, -2.9925, -20.2324
Hunter-Lab	41.0814, -14.3403, 6.5436

Details

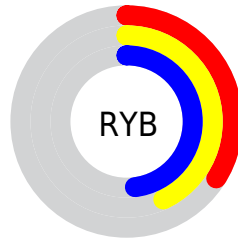
The XYZ color **13.2455, 16.8768, 15.3914** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.9043, 11.8135, 14.9128**, and the grayscale version is **14.5674, 15.3261, 16.6901**.

A 20% lighter version of the original color is **31.4792, 38.3114, 36.3076**, and **3.9331, 5.4819, 4.5922** is the 20% darker color. If you saturate the color by 10%, you get **11.9059, 16.2226, 13.7062**, and if you desaturate by 10%, it is **14.8027, 17.6412, 17.2175**.

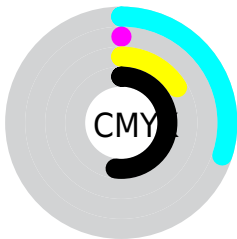
Distribution



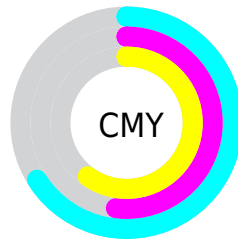
- Red (34%)
- Green (48%)
- Blue (40%)



- Red (34%)
- Yellow (43%)
- Blue (48%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (52%)



- Cyan (66%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2455, 16.8768, 15.3914 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 13.2455, 16.8768, 15.3914 by changing the saturation by 10% instead.

■ 13.2455, 16.8768,
15.3914

■ 13.2455, 16.8768,
15.3914

206.0911,
234.4614, 237.4450

■ 7.6760, 10.1467,
8.9449

■ 31.3417, 38.1138,
36.2903

■ 3.9384, 5.4963,
4.6089

■ 44.5991, 53.3895,
51.5798

■ 1.6673, 2.5413,
1.9650

■ 61.1499, 72.2826,
70.6540

■ 0.4357, 0.8973,
0.5336

■ 81.3593, 95.1773,
93.9315

■ 0.0000, 0.0000,
0.0000

■ 105.5928,
122.4582, 121.8308

134.2156,

154.5096, 154.7705

167.5933,
191.7158, 193.1690

■ 13.2455, 16.8768,
15.3914

■ 13.2455, 16.8768,
15.3914

■ 11.9059, 16.2226,
13.7062

■ 14.8027, 17.6412,
17.2175

■ 10.7722, 15.6713,
12.1573

■ 16.5858, 18.5187,
19.1866

■ 9.8337, 15.2178,
10.7416

■ 18.6041, 19.5144,
21.3023

■ 9.0782, 14.8560,
9.4554

■ 20.8662, 20.6328,
23.5675

■ 8.4918, 14.5788,
8.2948

■ 23.3801, 21.8778,
25.9853

■ 8.0587, 14.3781,
7.2556

■ 26.1535, 23.2535,
28.5585

■ 7.7292, 14.2283,
6.3320

■ 29.1938, 24.7635,
31.2899

■ 7.7137, 14.2212,
6.2895

■ 32.5079, 26.4115,
34.1821

■ 36.1028, 28.2008,
37.2379

Harmonies

Analogous

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



14.1001, 16.8768, 12.2274



13.2455, 16.8768, 15.3914



13.1109, 16.8768, 19.9405

Triad

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



13.2455, 16.8768, 15.3914



16.5783, 16.8768, 28.8731



18.6112, 16.8768, 13.1657

Complementary

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



13.2455, 16.8768, 15.3914



13.9043, 11.8135, 14.9128

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.



19.3778, 16.8768, 16.8955



13.2455, 16.8768, 15.3914



18.1521, 16.8768, 26.3021

Square

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



13.2455, 16.8768, 15.3914



14.9618, 16.8768, 28.2831



19.2043, 16.8768, 21.7234



17.1707, 16.8768, 11.1036

Rectangle

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



13.2455, 16.8768, 15.3914



13.4374, 16.8768, 23.2478



19.2043, 16.8768, 21.7234



18.9606, 16.8768, 14.2373

Sweetspot

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



13.2460, 16.8775, 15.3918



29.2757, 32.6266, 33.8584



14.4891, 17.6071, 11.4392



6.6026, 7.4151, 7.6435



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.



13.2460, 16.8775, 15.3918



21.7659, 28.9397, 25.1707



14.2368, 17.2738, 20.6096



4.0223, 4.4785, 4.6514



8.1167, 14.9704, 6.5996



38.2941, 71.2407, 29.2502

Inverse Universe

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



13.9043, 11.8135, 14.9128



23.1100, 18.5982, 24.1912



13.0828, 11.4850, 10.5873



4.0784, 4.0471, 4.6107



9.4320, 4.7490, 5.5659



44.5586, 22.4798, 24.2693

Previews

White Background



This preview shows how the XYZ color 13.2455, 16.8768, 15.3914 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 13.2455, 16.8768, 15.3914 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 13.2455, 16.8768, 15.3914

Background



This preview shows how black text looks on a background with the XYZ color 13.2455, 16.8768, 15.3914.

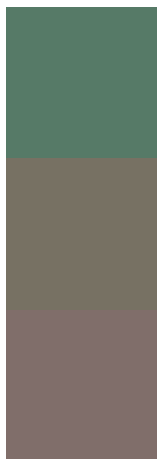


This preview shows how white text looks on a background with the XYZ color 13.2455, 16.8768,

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

13.2455, 16.8768, 15.3914

Protanopia

15.7650, 16.6330, 14.1840

Deuteranopia

17.0795, 16.7817, 15.9747



Tritanopia

14.6891, 16.7395, 22.8789

Trichromacy



Original Color

13.2455, 16.8768, 15.3914

Protanomaly

14.6090, 16.5367, 14.4785

Deuteranomaly

15.3772, 16.5653, 15.7516

Tritanomaly

14.0464, 16.6494, 19.9261

Monochromacy



Original Color

13.2455, 16.8768, 15.3914

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0380, 15.8629, 16.2319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2455, 16.8768, 15.3914 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, 122, 103) looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 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(86, 122, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.2455, 16.8768, 15.3914 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, 122, 103) }
```


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

```
.border{ border-color:rgb(86, 122, 103) }
```

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

Here you see how a box with a 4 pixel rgb(86, 122, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 103);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2455, 16.8768, 15.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 103) }
```

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

```
.background{ background-color: rgb(86, 122,  
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](#).

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