

Converting Colors

XYZ(13.8421, 15.7017, 15.0619)

Have a look what the booklet for
XYZ(13.8421, 15.7017, 15.0619)
contains.

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Color

**XYZ(13.8328, 15.6143,
15.1168)**

Conversions

Conversions Part 1

Format	Color
Hex	667167
RGB	102, 113, 103
RGB Percent	40%, 44%, 40%
CMY	0.6000, 0.5569, 0.5961
CMYK	0.10, 0.00, 0.09, 0.56
HSL	125°, 5%, 42%
HSV	125°, 10%, 44%
XYZ	13.8328, 15.6143, 15.1168
YIQ	108.5710, -3.3460, -5.4420

Conversions

Conversions Part 2

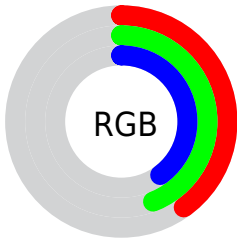
Format	Color
R_{YB}	102, 112, 113
Decimal	6713703
CIE _{Lab}	46.46, -6.24, 4.14
CIE _{LCh}	46, 7.486, 146.462
Yxy	15.6143, 0.3104, 0.3504
Android (android.graphics.Color)	4284903783 (0xFF667167)
YUV	108.5710, -2.7465, -5.7628
Hunter-Lab	39.5149, -6.6645, 4.9785

Details

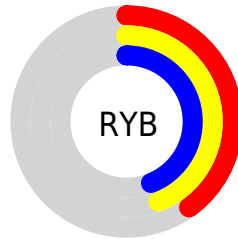
The XYZ color **13.8328, 15.6143, 15.1168** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4866, 14.1837, 17.3041**, and the grayscale version is **14.4230, 15.1741, 16.5246**.

A 20% lighter version of the original color is **32.4247, 36.0157, 35.8146**, and **4.1797, 4.8783, 4.4627** is the 20% darker color. If you saturate the color by 10%, you get **12.1541, 14.8053, 12.5100**, and if you desaturate by 10%, it is **15.7504, 16.5400, 18.0662**.

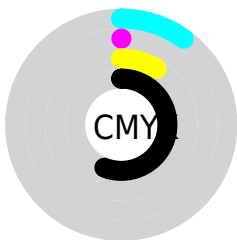
Distribution



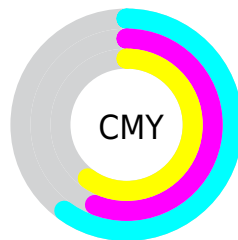
- Red (40%)
- Green (44%)
- Blue (40%)



- Red (40%)
- Yellow (44%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8328, 15.6143, 15.1168 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 13.8328, 15.6143, 15.1168 by changing the saturation by 10% instead.

■ 13.8328, 15.6143,
15.1168

■ 13.8328, 15.6143,
15.1168

209.7197,
227.0549, 235.7372

■ 8.0854, 9.2516,
8.7539

■ 32.3808, 35.9273,
35.8031

■ 4.2019, 4.9057,
4.4864

■ 45.9121, 50.6464,
50.9636

■ 1.8170, 2.1920,
1.8958

■ 62.7688, 68.9198,
69.8937

■ 0.5279, 0.7156,
0.4900

■ 83.3161, 91.1319,
93.0120

■ 0.0000, 0.0000,
0.0000

107.9195,
117.6671, 120.7369

136.9444,

148.9097, 153.4871

170.7560,
185.2442, 191.6810

■ 13.8328, 15.6143,
15.1168

■ 13.8328, 15.6143,
15.1168

■ 12.1541, 14.8053,
12.5100

■ 15.7504, 16.5400,
18.0662

■ 10.7037, 14.1065,
10.2325

■ 17.9143, 17.5847,
21.3688

■ 9.4720, 13.5137,
8.2713

■ 20.3333, 18.7530,
25.0363

■ 8.4484, 13.0216,
6.6126

■ 23.0154, 20.0490,
29.0794

■ 7.6214, 12.6248,
5.2412

■ 25.9681, 21.4763,
33.5082

■ 6.9783, 12.3170,
4.1409

■ 29.1989, 23.0383,
38.3327

■ 6.5050, 12.0912,
3.2936

■ 32.7146, 24.7387,
43.5623

■ 6.1852, 11.9396,
2.6793

■ 36.5222, 26.5805,
49.2062

■ 5.9670, 11.8359,
2.2731

■ 40.6280, 28.5671,
55.2734

Harmonies

Analogous

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



14.2961, 15.6143, 14.0208



13.8328, 15.6143, 15.1168



13.6393, 15.6143, 16.7835

Triad

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



13.8328, 15.6143, 15.1168



14.7647, 15.6143, 20.7911



15.9770, 15.6143, 15.4699

Complementary

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



13.8328, 15.6143, 15.1168



14.4866, 14.1837, 17.3041

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.



16.1111, 15.6143, 17.2210



13.8328, 15.6143, 15.1168



15.3994, 15.6143, 20.3769

Square

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



13.8328, 15.6143, 15.1168



14.1674, 15.6143, 20.1310



15.8969, 15.6143, 19.0363



15.5354, 15.6143, 14.2141

Rectangle

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



13.8328, 15.6143, 15.1168



13.6851, 15.6143, 18.0259



15.8969, 15.6143, 19.0363



16.0601, 15.6143, 16.0163

Sweetspot

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



13.8332, 15.6150, 15.1171



27.0061, 29.0390, 30.5138



14.9968, 16.2206, 14.9110



6.1891, 6.6885, 6.9700



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.8332, 15.6150, 15.1171



23.9523, 27.5658, 25.8041



14.1141, 15.7273, 16.5962



3.3563, 3.7677, 3.6823



6.7583, 13.4208, 2.5478



33.5175, 66.7956, 11.9104

Inverse Universe

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



14.4866, 14.1837, 17.3041



25.4081, 24.3766, 30.6770



14.1939, 14.0666, 15.7627



3.5020, 3.4485, 4.1701



10.4827, 5.0855, 14.8838



52.0529, 25.2665, 73.2677

Previews

White Background



This preview shows how the XYZ color 13.8328, 15.6143, 15.1168 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 13.8328, 15.6143, 15.1168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

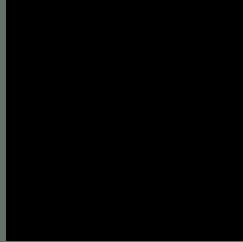
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8328, 15.6143, 15.1168

Background



This preview shows how black text looks on a background with the XYZ color 13.8328, 15.6143, 15.1168.



This preview shows how white text looks on a background with the XYZ color 13.8328, 15.6143,

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

13.8328, 15.6143, 15.1168

Protanopia

14.8643, 15.6689, 14.5529

Deuteranopia

15.8211, 15.5185, 15.2582



Tritanopia

14.8399, 15.7040, 19.7018

Trichromacy



Original Color

13.8328, 15.6143, 15.1168

Protanomaly

14.5131, 15.6432, 14.8249

Deuteranomaly

15.0376, 15.5816, 15.3117

Tritanomaly

14.4837, 15.7237, 17.8944

Monochromacy



Original Color

13.8328, 15.6143, 15.1168

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1736, 15.2776, 16.1118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8328, 15.6143, 15.1168 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(102, 113, 103)` looks like.

```
.text, #text, p{  
    color:rgb(102, 113, 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(102, 113, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 113, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.8328, 15.6143, 15.1168 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(102, 113, 103) }
```


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

```
.border{ border-color:rgb(102, 113, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 113, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 113, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 113, 103);  
box-shadow:4px 4px 4px 4px rgb(102, 113,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8328, 15.6143, 15.1168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 113, 103) }
```

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

```
.background{ background-color: rgb(102,  
113, 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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