

Converting Colors

XYZ(13.3802, 15.4021, 17.0949)

Have a look what the booklet for
XYZ(13.3802, 15.4021, 17.0949)
contains.

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Color

**XYZ(13.3357, 15.3157,
17.0052)**

Conversions

Conversions Part 1

Format	Color
Hex	5E716E
RGB	94, 113, 110
RGB Percent	37%, 44%, 43%
CMY	0.6314, 0.5569, 0.5686
CMYK	0.17, 0.00, 0.03, 0.56
HSL	171°, 9%, 41%
HSV	171°, 17%, 44%
XYZ	13.3357, 15.3157, 17.0052
YIQ	106.9770, -10.3610, -4.9610

Conversions

Conversions Part 2

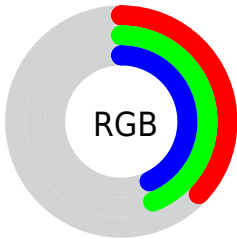
Format	Color
R_{YB}	94, 104, 113
Decimal	6189422
CIE _{Lab}	46.06, -7.70, -0.70
CIE _{LCh}	46, 7.733, 185.187
Yxy	15.3157, 0.2921, 0.3355
Android (android.graphics.Color)	4284379502 (0xFF5E716E)
YUV	106.9770, 1.4903, -11.3808
Hunter-Lab	39.1353, -7.6612, 1.6318

Details

The XYZ color **13.3357, 15.3157, 17.0052** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9710, 12.3796, 13.0158**, and the grayscale version is **13.9671, 14.6945, 16.0023**.

A 20% lighter version of the original color is **31.6538, 35.5386, 39.3737**, and **4.0064, 4.7679, 5.4118** is the 20% darker color. If you saturate the color by 10%, you get **12.1646, 14.7235, 16.4484**, and if you desaturate by 10%, it is **14.6793, 15.9974, 17.5809**.

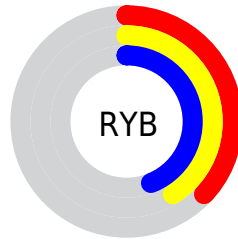
Distribution



Red (37%)

Green (44%)

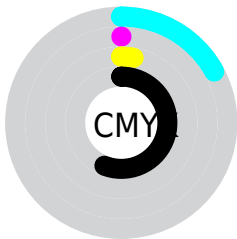
Blue (43%)



Red (37%)

Yellow (41%)

Blue (44%)

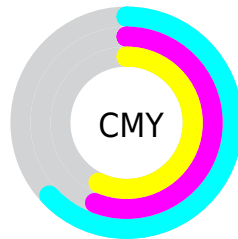


Cyan (17%)

Magenta (0%)

Yellow (3%)

Black (56%)



Cyan (63%)

Magenta (56%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3357, 15.3157, 17.0052 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 13.3357, 15.3157, 17.0052 by changing the saturation by 10% instead.

■ 13.3357, 15.3157,
17.0052

■ 13.3357, 15.3157,
17.0052

206.6525,
225.2692, 247.2473

■ 7.7387, 9.0413,
10.0762

■ 31.5018, 35.4061,
39.1255

■ 3.9786, 4.7681,
5.3432

■ 44.8016, 49.9908,
55.1539

■ 1.6900, 2.1118,
2.3878

■ 61.3997, 68.1144,
75.0524

■ 0.4500, 0.6713,
0.7798

■ 81.6615, 90.1612,
99.2398

■ 0.0000, 0.0000,
0.0000

105.9523,
116.5157, 128.1344

134.6375,

147.5623, 162.1548

168.0824,
183.6853, 201.7196

■ 13.3357, 15.3157,
17.0052

■ 13.3357, 15.3157,
17.0052

■ 12.1646, 14.7235,
16.4484

■ 14.6793, 15.9974,
17.5809

■ 11.1574, 14.2152,
15.9091

■ 16.2010, 16.7703,
18.1749

■ 10.3066, 13.7872,
15.3873

■ 17.9078, 17.6384,
18.7880

■ 9.6036, 13.4353,
14.8824

■ 19.8058, 18.6048,
19.4203

■ 9.0391, 13.1545,
14.3940

■ 21.9011, 19.6727,
20.0724

■ 8.6026, 12.9394,
13.9215

■ 24.1991, 20.8449,
20.7445

■ 8.2821, 12.7840,
13.4643

■ 26.7054, 22.1242,
21.4368

■ 8.0489, 12.6734,
13.0209

■ 29.4252, 23.5134,
22.1498

■ 7.9779, 12.6398,
12.8819

■ 32.3635, 25.0149,
22.8837

Harmonies

Analogous

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



13.4410, 15.3157, 15.2045



13.3357, 15.3157, 17.0052



13.5495, 15.3157, 18.8476

Triad

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



13.3357, 15.3157, 17.0052



15.2968, 15.3157, 19.8090



15.0934, 15.3157, 13.6050

Complementary

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



13.3357, 15.3157, 17.0052



12.9710, 12.3796, 13.0158

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.



15.6134, 15.3157, 14.6783



13.3357, 15.3157, 17.0052



15.7333, 15.3157, 18.2400

Square

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



13.3357, 15.3157, 17.0052



14.6715, 15.3157, 20.5423



15.8509, 15.3157, 16.3515



14.4433, 15.3157, 13.3284

Rectangle

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



13.3357, 15.3157, 17.0052



13.8482, 15.3157, 19.8242



15.8509, 15.3157, 16.3515



15.2898, 15.3157, 13.8804

Sweetspot

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



13.3361, 15.3163, 17.0055



26.7202, 28.8660, 31.6570



12.8735, 15.1696, 12.8395



6.1471, 6.6593, 7.3081



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.



13.3361, 15.3163, 17.0055



23.0641, 27.0125, 30.0753



12.8202, 14.0185, 17.6536



3.4534, 3.8066, 4.1941



9.0434, 14.3349, 14.5811



44.7872, 71.3035, 71.2558

Inverse Universe

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



12.9710, 12.3796, 13.0158



22.2855, 20.7488, 21.5668



13.4202, 13.4978, 12.4880



3.4040, 3.4093, 3.6543



7.8419, 4.0291, 0.9775



38.8487, 19.9848, 3.7357

Previews

White Background



This preview shows how the XYZ color 13.3357, 15.3157, 17.0052 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 13.3357, 15.3157, 17.0052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

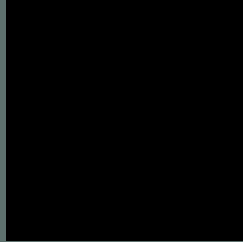
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3357, 15.3157, 17.0052

Background



This preview shows how black text looks on a background with the XYZ color 13.3357, 15.3157, 17.0052.



This preview shows how white text looks on a background with the XYZ color 13.3357, 15.3157,

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

13.3357, 15.3157, 17.0052

Protanopia

14.5719, 15.1662, 16.0693

Deuteranopia

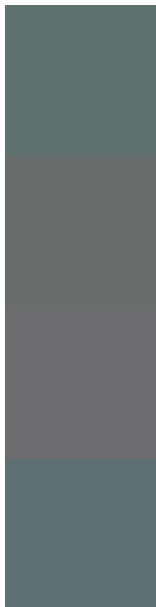
15.5499, 15.3295, 17.4686



Tritanopia

13.8985, 15.2117, 19.9729

Trichromacy



Original Color

13.3357, 15.3157, 17.0052

Protanomaly

14.1084, 15.2378, 16.3850

Deuteranomaly

14.6446, 15.3362, 17.2273

Tritanomaly

13.6659, 15.2822, 18.7525

Monochromacy



Original Color

13.3357, 15.3157, 17.0052

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6549, 14.8448, 16.3330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3357, 15.3157, 17.0052 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(94, 113, 110) looks like.

```
.text, #text, p{  
    color:rgb(94, 113, 110)  
}
```

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(94, 113, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 113, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.3357, 15.3157, 17.0052 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(94, 113, 110) }
```


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

```
.border{ border-color:rgb(94, 113, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 113, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 113, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 113, 110);  
box-shadow:4px 4px 4px 4px rgb(94, 113,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3357, 15.3157, 17.0052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 113, 110) }
```

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

```
.background{ background-color: rgb(94, 113,  
110) }
```

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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