

Converting Colors

XYZ(13.6355, 16.2956, 18.3463)

Have a look what the booklet for
XYZ(13.6355, 16.2956, 18.3463)
contains.

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Color

**XYZ(13.6355, 16.2956,
18.3463)**

Conversions

Conversions Part 1

Format	Color
Hex	597672
RGB	89, 118, 114
RGB Percent	35%, 46%, 45%
CMY	0.6510, 0.5372, 0.5529
CMYK	0.25, 0.00, 0.03, 0.54
HSL	172°, 14%, 41%
HSV	172°, 25%, 46%
XYZ	13.6355, 16.2956, 18.3463
YIQ	108.8730, -16.0000, -7.3920

Conversions

Conversions Part 2

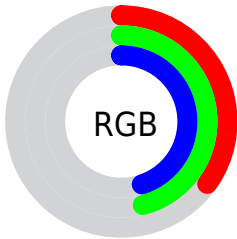
Format	Color
R_{YB}	89, 105, 118
Decimal	5863026
CIE Lab	47.36, -11.36, -1.22
CIE LCh	47, 11.422, 186.152
Yxy	16.2956, 0.2824, 0.3375
Android (android.graphics.Color)	4284053106 (0xFF597672)
YUV	108.8730, 2.5276, -17.4286
Hunter-Lab	40.3678, -10.3497, 1.3114

Details

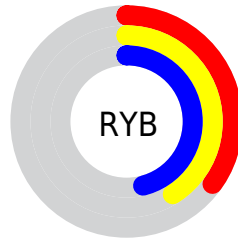
The XYZ color **13.6355, 16.2956, 18.3463** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0199, 11.7870, 11.9454**, and the grayscale version is **14.4965, 15.2514, 16.6088**.

A 20% lighter version of the original color is **32.0729, 37.0781, 41.5428**, and **4.1284, 5.2659, 5.9531** is the 20% darker color. If you saturate the color by 10%, you get **12.5010, 15.7218, 17.8140**, and if you desaturate by 10%, it is **14.9542, 16.9650, 18.8965**.

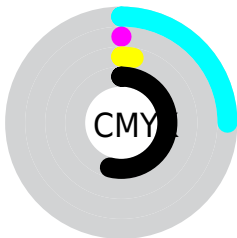
Distribution



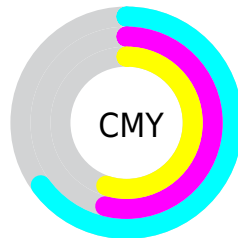
- Red (35%)
- Green (46%)
- Blue (45%)



- Red (35%)
- Yellow (41%)
- Blue (46%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (54%)



- Cyan (65%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6355, 16.2956, 18.3463 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 13.6355, 16.2956, 18.3463 by changing the saturation by 10% instead.

■ 13.6355, 16.2956,
18.3463

■ 13.6355, 16.2956,
18.3463

208.5076,
231.0797, 255.1171

■ 7.9476, 9.7336,
11.0269

■ 32.0326, 37.1106,
41.4484

■ 4.1130, 5.2227,
5.9705

■ 45.4724, 52.1324,
58.0682

■ 1.7662, 2.3785,
2.7587

■ 62.2270, 70.7429,
78.6252

■ 0.4972, 0.8148,
0.9728

■ 82.6616, 93.3265,
103.5379

■ 0.0000, 0.0000,
0.0000

■ 107.1416,
120.2676, 133.2249

136.0324,

151.9505, 168.1048

169.6993,
188.7598, 208.5960

■ 13.6355, 16.2956,
18.3463

■ 13.6355, 16.2956,
18.3463

■ 12.5010, 15.7218,
17.8140

■ 14.9542, 16.9650,
18.8965

■ 11.5405, 15.2371,
17.2981

■ 16.4637, 17.7322,
19.4640

■ 10.7453, 14.8373,
16.7984

■ 18.1720, 18.6017,
20.0494

■ 10.1050, 14.5173,
16.3145

■ 20.0863, 19.5772,
20.6533

■ 9.6084, 14.2712,
15.8458

■ 22.2135, 20.6622,
21.2758

■ 9.2424, 14.0922,
15.3915

■ 24.5600, 21.8601,
21.9175

■ 8.9872, 13.9701,
14.9508

■ 27.1321, 23.1741,
22.5786

■ 8.8632, 13.9112,
14.7159

■ 29.9357, 24.6072,
23.2595

■ 32.9765, 26.1624,
23.9604

Harmonies

Analogous

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



13.7781, 16.2956, 15.5866



13.6355, 16.2956, 18.3463



13.9717, 16.2956, 21.2332

Triad

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



13.6355, 16.2956, 18.3463



16.6635, 16.2956, 22.6274



16.2876, 16.2956, 13.1239

Complementary

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



13.6355, 16.2956, 18.3463



13.0199, 11.7870, 11.9454

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.



17.1113, 16.2956, 14.6581



13.6355, 16.2956, 18.3463



17.3348, 16.2956, 20.0899

Square

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



13.6355, 16.2956, 18.3463



15.6977, 16.2956, 23.8721



17.5022, 16.2956, 17.1533



15.2811, 16.2956, 12.7648

Rectangle

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



13.6355, 16.2956, 18.3463



14.4310, 16.2956, 22.7786



17.5022, 16.2956, 17.1533



16.5964, 16.2956, 13.5105

Sweetspot

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



13.6360, 16.2963, 18.3467



28.2248, 30.8103, 33.9604



12.8318, 16.0243, 11.8681



6.4649, 7.0713, 7.7990



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.6360, 16.2963, 18.3467



22.9094, 28.1130, 31.7725



12.7371, 14.1259, 19.1956



3.7626, 4.1470, 4.5839



9.5849, 15.0480, 15.9023



46.4743, 73.2370, 76.2598

Inverse Universe

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



13.0199, 11.7870, 11.9454



21.6464, 18.8629, 18.6450



13.7510, 13.5254, 11.3374



3.7026, 3.7083, 3.9609



8.1831, 4.2070, 0.9065



39.6842, 20.4238, 3.4005

Previews

White Background



This preview shows how the XYZ color 13.6355, 16.2956, 18.3463 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 13.6355, 16.2956, 18.3463 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 13.6355, 16.2956, 18.3463

Background



This preview shows how black text looks on a background with the XYZ color 13.6355, 16.2956, 18.3463.



This preview shows how white text looks on a background with the XYZ color 13.6355, 16.2956,

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

13.6355, 16.2956, 18.3463

Protanopia

15.4383, 16.0721, 17.0404

Deuteranopia

16.5062, 16.2632, 18.7921



Tritanopia

14.3257, 16.2213, 22.1146

Trichromacy



Original Color

13.6355, 16.2956, 18.3463

Protanomaly

14.7123, 16.1856, 17.3876

Deuteranomaly

15.1954, 16.0774, 18.5220

Tritanomaly

14.0906, 16.3014, 20.8162

Monochromacy



Original Color

13.6355, 16.2956, 18.3463

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1429, 15.5608, 17.2971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6355, 16.2956, 18.3463 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(89, 118, 114)` looks like.

```
.text, #text, p{  
    color:rgb(89, 118, 114)  
}
```

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(89, 118, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 118, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.6355, 16.2956, 18.3463 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(89, 118, 114) }
```


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

```
.border{ border-color:rgb(89, 118, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 118, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 118, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 118, 114);  
box-shadow:4px 4px 4px 4px rgb(89, 118,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6355, 16.2956, 18.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 118, 114) }
```

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

```
.background{ background-color: rgb(89, 118,  
114) }
```

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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