

Converting Colors

XYZ(12.4355, 13.3788, 16.2834)

Have a look what the booklet for
XYZ(12.4355, 13.3788, 16.2834)
contains.

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Color

**XYZ(12.5345, 13.4916,
16.4115)**

Conversions

Conversions Part 1

Format	Color
Hex	60686D
RGB	96, 104, 109
RGB Percent	38%, 41%, 43%
CMY	0.6235, 0.5921, 0.5725
CMYK	0.12, 0.05, 0.00, 0.57
HSL	203°, 6%, 40%
HSV	203°, 12%, 43%
XYZ	12.5345, 13.4916, 16.4115
YIQ	102.1780, -6.3730, -0.1410

Conversions

Conversions Part 2

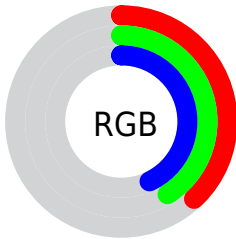
Format	Color
R_{YB}	96, 101, 109
Decimal	6318189
CIE _{Lab}	43.49, -1.94, -3.86
CIE _{LCh}	43, 4.320, 243.312
Yxy	13.4916, 0.2954, 0.3179
Android (android.graphics.Color)	4284508269 (0xFF60686D)
YUV	102.1780, 3.3632, -5.4181
Hunter-Lab	36.7309, -3.3656, -0.7793

Details

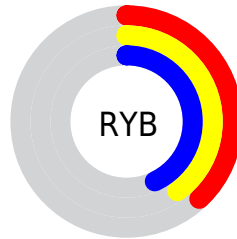
The XYZ color **12.5345, 13.4916, 16.4115** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0717, 13.4029, 12.9646**, and the grayscale version is **12.6689, 13.3286, 14.5149**.

A 20% lighter version of the original color is **30.0991, 32.1838, 37.8834**, and **3.6480, 3.9522, 5.1280** is the 20% darker color. If you saturate the color by 10%, you get **11.0550, 12.1185, 16.2247**, and if you desaturate by 10%, it is **14.1948, 14.9898, 16.6134**.

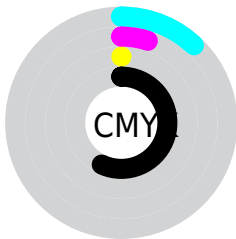
Distribution



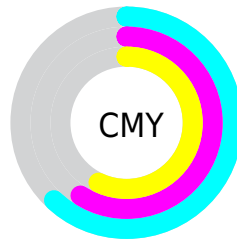
- Red (38%)
- Green (41%)
- Blue (43%)



- Red (38%)
- Yellow (40%)
- Blue (43%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (57%)



- Cyan (62%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5345, 13.4916, 16.4115 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 12.5345, 13.4916, 16.4115 by changing the saturation by 10% instead.

■ 12.5345, 13.4916,
16.4115

■ 12.5345, 13.4916,
16.4115

201.6109,
214.0447, 243.6859

■ 7.1836, 7.7679,
9.6583

■ 30.0734, 32.1842,
38.0878

■ 3.6245, 3.9468,
5.0704

■ 42.9921, 45.9219,
53.8480

■ 1.4920, 1.6439,
2.2291

■ 59.1641, 63.0997,
73.4476

■ 0.3204, 0.3869,
0.6911

■ 78.9547, 84.1021,
97.3052

■ 0.0000, 0.0000,
0.0000

102.7294,
109.3134, 125.8393

130.8534,

139.1180, 159.4684

163.6921,
173.9003, 198.6111

■ 12.5345, 13.4916,
16.4115

■ 12.5345, 13.4916,
16.4115

■ 11.0550, 12.1185,
16.2247

■ 14.1948, 14.9898,
16.6134

■ 9.7483, 10.8648,
16.0515

■ 16.0412, 16.6150,
16.8298

■ 8.6075, 9.7269,
15.8920

■ 18.0801, 18.3716,
17.0614

■ 7.6249, 8.7002,
15.7457

■ 20.3173, 20.2627,
17.3085

■ 6.7920, 7.7800,
15.6119

■ 22.7585, 22.2919,
17.5715

6.0993, 6.9609,
15.4903

25.4088, 24.4621,
17.8507

5.5364, 6.2370,
15.3803

28.2736, 26.7764,
18.1464

5.0907, 5.6013,
15.2811

31.3576, 29.2378,
18.4590

4.7731, 5.1297,
15.2068

34.6657, 31.8492,
18.7886

Harmonies

Analogous

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



12.2894, 13.4916, 15.7331



12.5345, 13.4916, 16.4115



12.8608, 13.4916, 16.6219

Triad

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



12.5345, 13.4916, 16.4115



13.4813, 13.4916, 14.5831



12.4707, 13.4916, 13.1930

Complementary

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



12.5345, 13.4916, 16.4115



13.0717, 13.4029, 12.9646

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.



12.7860, 13.4916, 12.9140



12.5345, 13.4916, 16.4115



13.3726, 13.4916, 13.6941

Square

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



12.5345, 13.4916, 16.4115



13.4111, 13.4916, 15.5395



13.1166, 13.4916, 13.0934



12.2530, 13.4916, 13.8722

Rectangle

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



12.5345, 13.4916, 16.4115



13.0815, 13.4916, 16.4613



13.1166, 13.4916, 13.0934



12.5686, 13.4916, 13.0507

Sweetspot

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



12.5349, 13.4922, 16.4118



24.7403, 26.2361, 29.6674



12.6408, 14.3635, 14.4140



5.7141, 6.0667, 6.8986



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.5349, 13.4922, 16.4118



21.7636, 23.5337, 29.3026



11.9070, 12.2363, 16.2025



3.0889, 3.3061, 3.9102



5.5591, 5.9525, 17.7782



27.4669, 28.6123, 90.3013

Inverse Universe

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



12.9885, 12.6167, 14.8481



22.7335, 21.6926, 25.9527



13.7264, 14.7124, 13.1828



3.1707, 3.1451, 3.6290



8.5528, 4.2733, 6.5397



43.1468, 21.6007, 31.0394

Previews

White Background



This preview shows how the XYZ color 12.5345, 13.4916, 16.4115 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 12.5345, 13.4916, 16.4115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

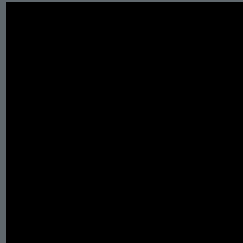
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

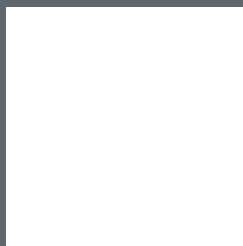
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5345, 13.4916, 16.4115

Background



This preview shows how black text looks on a background with the XYZ color 12.5345, 13.4916, 16.4115.



This preview shows how white text looks on a background with the XYZ color 12.5345, 13.4916,

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

12.5345, 13.4916, 16.4115

Protanopia

13.0517, 13.4690, 16.0992

Deuteranopia

13.6783, 13.4913, 16.6350



Tritanopia

12.6988, 13.5573, 17.2768

Trichromacy



Original Color

12.5345, 13.4916, 16.4115

Protanomaly

12.8126, 13.4925, 16.1164

Deuteranomaly

13.1771, 13.3762, 16.6392

Tritanomaly

12.6434, 13.5351, 16.9851

Monochromacy



Original Color

12.5345, 13.4916, 16.4115

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6556, 13.4297, 15.2898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5345, 13.4916, 16.4115 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(96, 104, 109) looks like.

```
.text, #text, p{  
    color:rgb(96, 104, 109)  
}
```

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(96, 104, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 104, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.5345, 13.4916, 16.4115 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(96, 104, 109) }
```


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

```
.border{ border-color:rgb(96, 104, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 104, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 104, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 104, 109);  
box-shadow:4px 4px 4px 4px rgb(96, 104,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5345, 13.4916, 16.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 104, 109) }
```

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

```
.background{ background-color: rgb(96, 104,  
109) }
```

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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