

Converting Colors

XYZ(13.4035, 16.2316, 19.7226)

Have a look what the booklet for
XYZ(13.4035, 16.2316, 19.7226)
contains.

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Color

**XYZ(13.3755, 16.1278,
19.8608)**

Conversions

Conversions Part 1

Format	Color
Hex	537677
RGB	83, 118, 119
RGB Percent	33%, 46%, 47%
CMY	0.6745, 0.5372, 0.5333
CMYK	0.30, 0.01, 0.00, 0.53
HSL	182°, 18%, 40%
HSV	182°, 30%, 47%
XYZ	13.3755, 16.1278, 19.8608
YIQ	107.6490, -21.1810, -7.1090

Conversions

Conversions Part 2

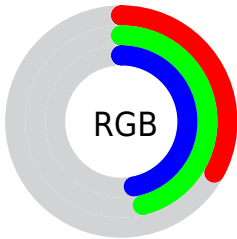
Format	Color
R_{YB}	83, 101, 119
Decimal	5469815
CIE _{Lab}	47.14, -12.09, -4.56
CIE _{LCh}	47, 12.922, 200.664
Yxy	16.1278, 0.2710, 0.3267
Android (android.graphics.Color)	4283659895 (0xFF537677)
YUV	107.6490, 5.5960, -21.6172
Hunter-Lab	40.1594, -10.8278, -1.2102

Details

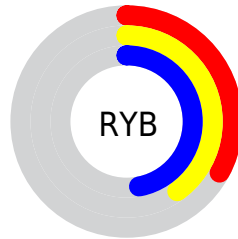
The XYZ color **13.3755, 16.1278, 19.8608** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3396, 10.8872, 9.6350**, and the grayscale version is **14.1452, 14.8818, 16.2063**.

A 20% lighter version of the original color is **31.5569, 36.7581, 43.9599**, and **4.0206, 5.1926, 6.7516** is the 20% darker color. If you saturate the color by 10%, you get **12.3757, 15.5552, 19.8032**, and if you desaturate by 10%, it is **14.5566, 16.7949, 19.9276**.

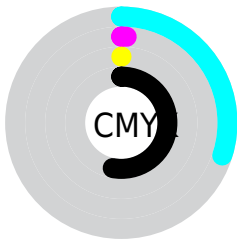
Distribution



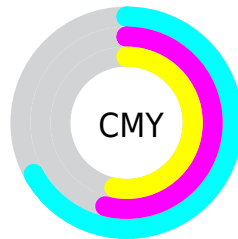
- Red (33%)
- Green (46%)
- Blue (47%)



- Red (33%)
- Yellow (40%)
- Blue (47%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (67%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3755, 16.1278, 19.8608 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 13.3755, 16.1278, 19.8608 by changing the saturation by 10% instead.

■ 13.3755, 16.1278,
19.8608

■ 13.3755, 16.1278,
19.8608

206.8997,
230.0947, 263.7398

■ 7.7664, 9.6146,
12.1108

■ 31.5724, 36.8199,
44.0396

■ 3.9964, 5.1442,
6.6957

■ 44.8908, 51.7677,
61.3055

■ 1.7001, 2.3321,
3.1970

■ 61.5098, 70.2957,
82.5804

■ 0.4563, 0.7906,
1.1961

■ 81.7947, 92.7885,
108.2829

■ 0.0000, 0.0000,
0.0000

■ 106.1107,
119.6304, 138.8316

134.8233,

151.2058, 174.6449

168.2979,
187.8991, 216.1415

■ 13.3755, 16.1278,
19.8608

■ 13.3755, 16.1278,
19.8608

■ 12.3757, 15.5552,
19.8032

■ 14.5566, 16.7949,
19.9276

■ 11.5467, 15.0704,
19.7534

■ 15.9262, 17.5589,
20.0029

■ 10.8788, 14.6689,
19.7111

■ 17.4927, 18.4247,
20.0874

■ 10.3610, 14.3450,
19.6758

■ 19.2637, 19.3961,
20.1816

■ 9.9808, 14.0922,
19.6471

■ 21.2463, 20.4768,
20.2857

■ 9.7239, 13.9031,
19.6241

■ 23.4473, 21.6703,
20.4000

■ 9.5407, 13.7537,
19.6049

■ 25.8733, 22.9800,
20.5250

■ 28.5305, 24.4090,
20.6607

■ 31.4247, 25.9605,
20.8077

Harmonies

Analogous

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



13.2739, 16.1278, 16.5655



13.3755, 16.1278, 19.8608



13.9863, 16.1278, 22.8544

Triad

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



13.3755, 16.1278, 19.8608



17.0805, 16.1278, 21.8297



15.6859, 16.1278, 12.0847

Complementary

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



13.3755, 16.1278, 19.8608



12.3396, 10.8872, 9.6350

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.



16.7550, 16.1278, 13.1545



13.3755, 16.1278, 19.8608



17.5860, 16.1278, 18.5944

Square

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



13.3755, 16.1278, 19.8608



16.1125, 16.1278, 24.0850



17.4640, 16.1278, 15.4449



14.5713, 16.1278, 12.3354

Rectangle

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



13.3755, 16.1278, 19.8608



14.6174, 16.1278, 24.1462



17.4640, 16.1278, 15.4449



16.0633, 16.1278, 12.2963

Sweetspot

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



13.3760, 16.1284, 19.8612



28.7893, 31.5927, 35.8337



11.7490, 15.6668, 10.7107



6.7468, 7.4450, 8.4881



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.



13.3760, 16.1284, 19.8612



22.7239, 28.1791, 35.4945



11.4930, 12.3625, 19.2335



3.7750, 4.1387, 4.6901



10.1351, 14.6099, 20.8284



49.2809, 70.9783, 101.4631

Inverse Universe

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



13.9714, 11.4168, 18.6076



23.9702, 18.3847, 32.8557



13.8816, 13.9711, 10.1490



3.8225, 3.7563, 4.5919



11.4129, 5.4989, 17.9142



55.5614, 26.7747, 87.0088

Previews

White Background



This preview shows how the XYZ color 13.3755, 16.1278, 19.8608 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 13.3755, 16.1278, 19.8608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

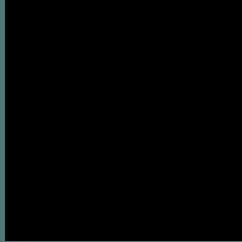
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3755, 16.1278, 19.8608

Background



This preview shows how black text looks on a background with the XYZ color 13.3755, 16.1278, 19.8608.



This preview shows how white text looks on a background with the XYZ color 13.3755, 16.1278,

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

13.3755, 16.1278, 19.8608

Protanopia

15.4610, 16.0514, 18.5030

Deuteranopia

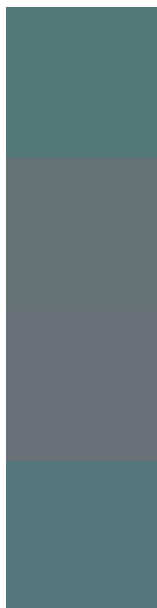
16.2850, 15.9572, 20.3109



Tritanopia

13.8735, 16.1602, 22.1267

Trichromacy



Original Color

13.3755, 16.1278, 19.8608

Protanomaly

14.5365, 16.0623, 18.8572

Deuteranomaly

15.0100, 15.9477, 20.0564

Tritanomaly

13.5926, 16.0375, 21.1180

Monochromacy



Original Color

13.3755, 16.1278, 19.8608

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8644, 15.4108, 17.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3755, 16.1278, 19.8608 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(83, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(83, 118, 119)  
}
```

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(83, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.3755, 16.1278, 19.8608 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(83, 118, 119) }
```


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

```
.border{ border-color:rgb(83, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3755, 16.1278, 19.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 119) }
```

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

```
.background{ background-color: rgb(83, 118,  
119) }
```

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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