

Converting Colors

XYZ(13.3243, 16.4685, 18.0912)

Have a look what the booklet for
XYZ(13.3243, 16.4685, 18.0912)
contains.

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Color

**XYZ(13.3533, 16.5100,
18.1057)**

Conversions

Conversions Part 1

Format	Color
Hex	547871
RGB	84, 120, 113
RGB Percent	33%, 47%, 44%
CMY	0.6706, 0.5294, 0.5569
CMYK	0.30, 0.00, 0.06, 0.53
HSL	168°, 18%, 40%
HSV	168°, 30%, 47%
XYZ	13.3533, 16.5100, 18.1057
YIQ	108.4380, -19.2090, -9.8090

Conversions

Conversions Part 2

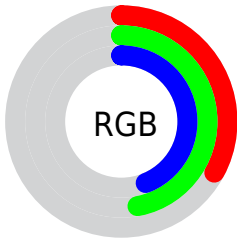
Format	Color
R_{YB}	84, 104, 120
Decimal	5535857
CIE _{Lab}	47.64, -14.37, -0.26
CIE _{LCh}	48, 14.370, 181.045
Yxy	16.5100, 0.2784, 0.3442
Android (android.graphics.Color)	4283725937 (0xFF547871)
YUV	108.4380, 2.2491, -21.4321
Hunter-Lab	40.6325, -12.4454, 2.0233

Details

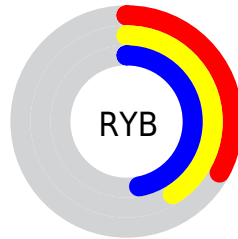
The XYZ color **13.3533, 16.5100, 18.1057** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8050, 11.0896, 11.3640**, and the grayscale version is **14.3751, 15.1237, 16.4697**.

A 20% lighter version of the original color is **31.5357, 37.3726, 41.1488**, and **3.9703, 5.2814, 5.8112** is the 20% darker color. If you saturate the color by 10%, you get **12.2403, 15.9516, 17.3768**, and if you desaturate by 10%, it is **14.6547, 17.1659, 18.8618**.

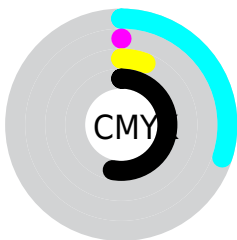
Distribution



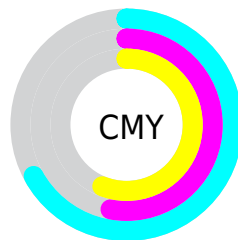
- Red (33%)
- Green (47%)
- Blue (44%)



- Red (33%)
- Yellow (41%)
- Blue (47%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3533, 16.5100, 18.1057 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 13.3533, 16.5100, 18.1057 by changing the saturation by 10% instead.

■ 13.3533, 16.5100,
18.1057

■ 13.3533, 16.5100,
18.1057

206.7618,
232.3326, 253.7222

■ 7.7510, 9.8858,
10.8557

■ 31.5330, 37.4814,
41.0337

■ 3.9865, 5.3233,
5.8569

■ 44.8411, 52.5972,
57.5488

■ 1.6945, 2.4382,
2.6909

■ 61.4484, 71.3125,
77.9893

■ 0.4528, 0.8454,
0.9388

■ 81.7204, 94.0115,
102.7738

■ 0.0000, 0.0000,
0.0000

■ 106.0224,
121.0786, 132.3208

134.7197,

152.8982, 167.0488

168.1777,
189.8547, 207.3765

■ 13.3533, 16.5100,
18.1057

■ 13.3533, 16.5100,
18.1057

■ 12.2403, 15.9516,
17.3768

■ 14.6547, 17.1659,
18.8618

■ 11.3049, 15.4840,
16.6734

■ 16.1517, 17.9219,
19.6444

■ 10.5372, 15.1025,
15.9952

■ 17.8532, 18.7829,
20.4545

■ 9.9261, 14.8013,
15.3415

■ 19.7667, 19.7528,
21.2926

■ 9.4587, 14.5738,
14.7117

■ 21.8995, 20.8353,
22.1591

■ 9.1204, 14.4125,
14.1050

■ 24.2587, 22.0342,
23.0545

■ 8.8588, 14.2903,
13.5186

■ 26.8509, 23.3527,
23.9791

■ 8.8588, 14.2903,
13.5186

■ 29.6825, 24.7942,
24.9335

■ 32.7595, 26.3619,
25.9180

Harmonies

Analogous

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



13.6317, 16.5100, 14.7693



13.3533, 16.5100, 18.1057



13.6727, 16.5100, 21.8707

Triad

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



13.3533, 16.5100, 18.1057



16.9988, 16.5100, 24.7325



16.9168, 16.5100, 12.4775

Complementary

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



13.3533, 16.5100, 18.1057



12.8050, 11.0896, 11.3640

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.



17.9015, 16.5100, 14.5745



13.3533, 16.5100, 18.1057



17.9507, 16.5100, 21.6175

Square

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



13.3533, 16.5100, 18.1057



15.7373, 16.5100, 26.0038



18.2895, 16.5100, 17.8481



15.6473, 16.5100, 11.7989

Rectangle

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



13.3533, 16.5100, 18.1057



14.1922, 16.5100, 24.0476



18.2895, 16.5100, 17.8481



17.2945, 16.5100, 13.0244

Sweetspot

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



13.3538, 16.5107, 18.1061



28.6270, 31.6315, 34.6590



12.6514, 16.3080, 10.8689



6.7033, 7.4554, 8.1735



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.



13.3538, 16.5107, 18.1061



22.1038, 28.3439, 30.9564



12.5369, 14.2215, 19.8543



4.0752, 4.4997, 4.9301



9.6591, 15.5873, 14.7215



45.7734, 74.2324, 68.6361

Inverse Universe

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



12.8050, 11.0896, 11.3640



20.9763, 17.1872, 17.0904



13.4208, 12.7822, 10.1478



4.0272, 4.0266, 4.3411



8.6182, 4.4234, 1.2802



40.8645, 21.0021, 4.8166

Previews

White Background



This preview shows how the XYZ color 13.3533, 16.5100, 18.1057 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 13.3533, 16.5100, 18.1057 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 13.3533, 16.5100, 18.1057

Background



This preview shows how black text looks on a background with the XYZ color 13.3533, 16.5100, 18.1057.

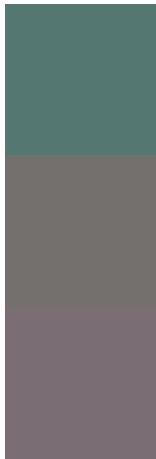


This preview shows how white text looks on a background with the XYZ color 13.3533, 16.5100,

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

13.3533, 16.5100, 18.1057

Protanopia

15.7569, 16.4055, 16.8041

Deuteranopia

16.5892, 16.3127, 18.4940



Tritanopia

14.2397, 16.5154, 22.5160

Trichromacy



Original Color

13.3533, 16.5100, 18.1057

Protanomaly

14.6541, 16.3303, 17.1316

Deuteranomaly

15.1267, 16.2133, 18.2518

Tritanomaly

13.9474, 16.5772, 20.8770

Monochromacy



Original Color

13.3533, 16.5100, 18.1057

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7542, 15.3668, 16.9930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3533, 16.5100, 18.1057 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(84, 120, 113) looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 113)  
}
```

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(84, 120, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.3533, 16.5100, 18.1057 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(84, 120, 113) }
```


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

```
.border{ border-color:rgb(84, 120, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 113);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3533, 16.5100, 18.1057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 113) }
```

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

```
.background{ background-color: rgb(84, 120,  
113) }
```

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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