

Converting Colors

XYZ(12.8455, 16.3022, 14.4325)

Have a look what the booklet for
XYZ(12.8455, 16.3022, 14.4325)
contains.

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Color

**XYZ(12.8545, 16.3315,
14.5314)**

Conversions

Conversions Part 1

Format	Color
Hex	567864
RGB	86, 120, 100
RGB Percent	34%, 47%, 39%
CMY	0.6627, 0.5294, 0.6078
CMYK	0.28, 0.00, 0.17, 0.53
HSL	145°, 17%, 40%
HSV	145°, 28%, 47%
XYZ	12.8545, 16.3315, 14.5314
YIQ	107.5540, -13.8440, -13.4280

Conversions

Conversions Part 2

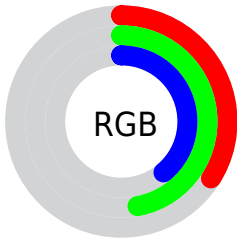
Format	Color
R_{YB}	86, 110, 120
Decimal	5666916
CIE _{Lab}	47.41, -16.65, 7.11
CIE _{LCh}	47, 18.109, 156.866
Yxy	16.3315, 0.2940, 0.3736
Android (android.graphics.Color)	4283856996 (0xFF567864)
YUV	107.5540, -3.7241, -18.9029
Hunter-Lab	40.4123, -13.9434, 6.9691

Details

The XYZ color **12.8545, 16.3315, 14.5314** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.6756, 11.6897, 15.1720**, and the grayscale version is **14.1424, 14.8789, 16.2031**.

A 20% lighter version of the original color is **30.6550, 37.0578, 34.8153**, and **3.7325, 5.1949, 4.1741** is the 20% darker color. If you saturate the color by 10%, you get **11.5141, 15.6787, 12.7619**, and if you desaturate by 10%, it is **14.4110, 17.0931, 16.4663**.

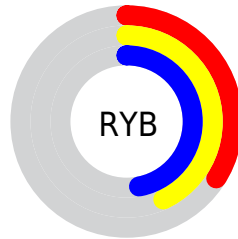
Distribution



 Red (34%)

 Green (47%)

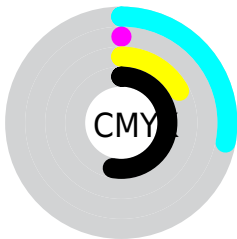
 Blue (39%)



 Red (34%)

 Yellow (43%)

 Blue (47%)

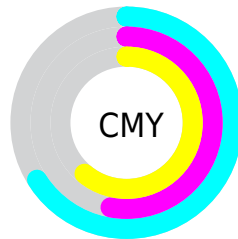


 Cyan (28%)


 Magenta (0%)

 Yellow (17%)

 Black (53%)



 Cyan (66%)

 Magenta (53%)

 Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8545, 16.3315, 14.5314 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 12.8545, 16.3315, 14.5314 by changing the saturation by 10% instead.

■ 12.8545, 16.3315,
14.5314

■ 12.8545, 16.3315,
14.5314

203.6396,
231.2900, 232.0543

■ 7.4047, 9.7590,
8.3482

■ 30.6457, 37.1728,
34.7596

■ 3.7651, 5.2395,
4.2276

■ 43.7178, 52.2103,
49.6417

■ 1.5701, 2.3885,
1.7510

■ 60.0614, 70.8384,
68.2605

■ 0.3728, 0.8199,
0.3954

■ 80.0419, 93.4414,
91.0346

■ 0.0000, 0.0000,
0.0000

■ 104.0246,
120.4036, 118.3825

132.3749,

152.1095, 150.7227

165.4581,
188.9435, 188.4738

■ 12.8545, 16.3315,
14.5314

■ 12.8545, 16.3315,
14.5314

■ 11.5141, 15.6787,
12.7619

■ 14.4110, 17.0931,
16.4663

■ 10.3784, 15.1277,
11.1523

■ 16.1915, 17.9663,
18.5697

■ 9.4371, 14.6736,
9.6984

■ 18.2053, 18.9562,
20.8461

■ 8.6781, 14.3104,
8.3954

■ 20.4606, 20.0669,
23.2992

■ 8.0884, 14.0314,
7.2384

■ 22.9654, 21.3024,
25.9329

■ 7.6526, 13.8288,
6.2218

■ 25.7272, 22.6667,
28.7508

■ 7.3303, 13.6819,
5.3389

■ 28.7531, 24.1632,
31.7565

■ 7.2799, 13.6588,
5.2041

■ 32.0500, 25.7955,
34.9535

■ 35.6246, 27.5669,
38.3450

Harmonies

Analogous

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



13.7440, 16.3315, 11.6079



12.8545, 16.3315, 14.5314



12.6562, 16.3315, 18.8597

Triad

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



12.8545, 16.3315, 14.5314



15.8944, 16.3315, 28.0778



18.1244, 16.3315, 12.9900

Complementary

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



12.8545, 16.3315, 14.5314



13.6756, 11.6897, 15.1720

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.



18.7920, 16.3315, 16.7466



12.8545, 16.3315, 14.5314



17.4484, 16.3315, 25.8305

Square

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



12.8545, 16.3315, 14.5314



14.3416, 16.3315, 27.2093



18.5365, 16.3315, 21.4850



16.7667, 16.3315, 10.8309

Rectangle

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



12.8545, 16.3315, 14.5314



12.9295, 16.3315, 22.0821



18.5365, 16.3315, 21.4850



18.4411, 16.3315, 14.0803

Sweetspot

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



12.8549, 16.3322, 14.5318



28.1826, 31.4538, 32.3192



14.3883, 17.1943, 11.3648



6.5849, 7.4080, 7.5499



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.



12.8549, 16.3322, 14.5318



21.0339, 27.9562, 23.5021



13.7422, 16.6871, 19.2040



4.0130, 4.4748, 4.6020



7.9347, 14.8976, 5.6413



37.4478, 70.9021, 24.7939

Inverse Universe

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



13.6756, 11.6897, 15.1720



22.7275, 18.3716, 24.8199



12.8940, 11.3770, 11.0562



4.0879, 4.0509, 4.6608



9.6695, 4.8439, 6.8164



45.6934, 22.9337, 30.2453

Previews

White Background



This preview shows how the XYZ color 12.8545, 16.3315, 14.5314 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 12.8545, 16.3315, 14.5314 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 12.8545, 16.3315, 14.5314

Background



This preview shows how black text looks on a background with the XYZ color 12.8545, 16.3315, 14.5314.



This preview shows how white text looks on a background with the XYZ color 12.8545, 16.3315,

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

12.8545, 16.3315, 14.5314

Protanopia

15.3767, 16.2844, 13.3991

Deuteranopia

16.3650, 16.1201, 14.8193



Tritanopia

14.3257, 16.2213, 22.1146

Trichromacy



Original Color

12.8545, 16.3315, 14.5314

Protanomaly

14.2323, 16.1887, 13.6839

Deuteranomaly

14.6987, 15.9074, 14.6077

Tritanomaly

13.6920, 16.1308, 19.2215

Monochromacy



Original Color

12.8545, 16.3315, 14.5314

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5995, 15.3176, 15.6044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8545, 16.3315, 14.5314 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(86, 120, 100)` looks like.

```
.text, #text, p{  
    color:rgb(86, 120, 100)  
}
```

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(86, 120, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 120, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.8545, 16.3315, 14.5314 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(86, 120, 100) }
```


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

```
.border{ border-color:rgb(86, 120, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 120, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 120, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 120, 100);  
box-shadow:4px 4px 4px 4px rgb(86, 120,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8545, 16.3315, 14.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 120, 100) }
```

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

```
.background{ background-color: rgb(86, 120,  
100) }
```

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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