

Converting Colors

XYZ(13.7146, 16.3967, 13.0645)

Have a look what the booklet for
XYZ(13.7146, 16.3967, 13.0645)
contains.

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Color

**XYZ(13.7543, 16.4743,
13.0446)**

Conversions

Conversions Part 1

Format	Color
Hex	64765E
RGB	100, 118, 94
RGB Percent	39%, 46%, 37%
CMY	0.6078, 0.5372, 0.6314
CMYK	0.15, 0.00, 0.20, 0.54
HSL	105°, 11%, 42%
HSV	105°, 20%, 46%
XYZ	13.7543, 16.4743, 13.0446
YIQ	109.8820, -3.0240, -11.2800

Conversions

Conversions Part 2

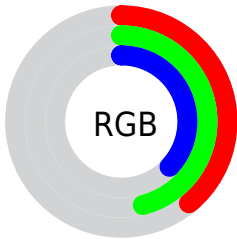
Format	Color
R_{YB}	94, 118, 112
Decimal	6583902
CIE _{Lab}	47.59, -11.59, 11.04
CIE _{LCh}	48, 16.012, 136.389
Yxy	16.4743, 0.3178, 0.3807
Android (android.graphics.Color)	4284773982 (0xFF64765E)
YUV	109.8820, -7.8298, -8.6665
Hunter-Lab	40.5885, -10.5414, 9.3570

Details

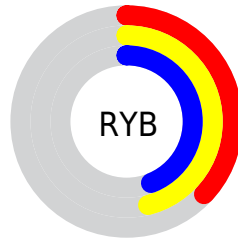
The XYZ color **13.7543, 16.4743, 13.0446** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9555, 12.7586, 18.8675**, and the grayscale version is **14.8099, 15.5811, 16.9678**.

A 20% lighter version of the original color is **32.1713, 37.3424, 31.8977**, and **4.1919, 5.3506, 3.6081** is the 20% darker color. If you saturate the color by 10%, you get **12.3385, 15.8015, 10.4224**, and if you desaturate by 10%, it is **15.3583, 17.2357, 16.0989**.

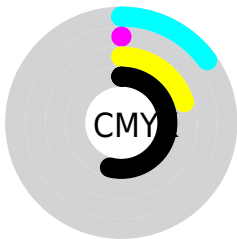
Distribution



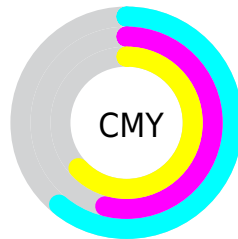
- Red (39%)
- Green (46%)
- Blue (37%)



- Red (37%)
- Yellow (46%)
- Blue (44%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (54%)



- Cyan (61%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7543, 16.4743, 13.0446 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 13.7543, 16.4743, 13.0446 by changing the saturation by 10% instead.

■ 13.7543, 16.4743,
13.0446

■ 13.7543, 16.4743,
13.0446

209.2383,
232.1244, 222.4212

■ 8.0305, 9.8604,
7.3282

■ 32.2424, 37.4197,
32.0762

■ 4.1665, 5.3065,
3.5866

■ 45.7373, 52.5199,
46.2286

■ 1.7967, 2.4282,
1.4014

■ 62.5535, 71.2178,
64.0299

■ 0.5157, 0.8403,
0.1428

■ 83.0560, 93.8976,
85.8988

■ 0.0000, 0.0000,
0.0000

107.6105,
120.9438, 112.2539

136.5821,

152.7407, 143.5136

170.3362,
189.6728, 180.0965

■ 13.7543, 16.4743,
13.0446

■ 13.7543, 16.4743,
13.0446

■ 12.3385, 15.8015,
10.4224

■ 15.3583, 17.2357,
16.0989

■ 11.1026, 15.2120,
8.2119

■ 17.1559, 18.0868,
19.6025

■ 10.0396, 14.7032,
6.3924

■ 19.1539, 19.0309,
23.5730

■ 9.1412, 14.2712,
4.9410

■ 21.3582, 20.0710,
28.0266

■ 8.3989, 13.9123,
3.8328

■ 23.7747, 21.2097,
32.9788

■ 7.8029, 13.6220,
3.0392

■ 26.4090, 22.4494,
38.4445

■ 7.3425, 13.3955,
2.5275

■ 29.2663, 23.7927,
44.4377

■ 6.9995, 13.2260,
2.1840

■ 32.3518, 25.2419,
50.9722

■ 35.6705, 26.7993,
58.0611

Harmonies

Analogous

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



14.8967, 16.4743, 11.4050



13.7543, 16.4743, 13.0446



13.1398, 16.4743, 16.1511

Triad

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



13.7543, 16.4743, 13.0446



15.0214, 16.4743, 26.7116



18.4413, 16.4743, 15.8103

Complementary

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



13.7543, 16.4743, 13.0446



13.9555, 12.7586, 18.8675

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.



18.4797, 16.4743, 19.8514



13.7543, 16.4743, 13.0446



16.4454, 16.4743, 26.5832

Square

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



13.7543, 16.4743, 13.0446



13.8408, 16.4743, 24.2509



17.7304, 16.4743, 23.9230



17.6284, 16.4743, 12.8279

Rectangle

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



13.7543, 16.4743, 13.0446



13.0865, 16.4743, 18.8266



17.7304, 16.4743, 23.9230



18.5468, 16.4743, 17.0773

Sweetspot

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



13.7547, 16.4750, 13.0450



28.2860, 30.9121, 30.7893



15.2864, 16.2487, 12.9206



6.4697, 7.0912, 7.0134



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.



13.7547, 16.4750, 13.0450



23.0844, 28.4445, 20.8822



13.3953, 16.2574, 14.4889



3.7185, 4.1384, 3.9451



7.5617, 14.3025, 2.3621



36.1703, 69.3483, 11.4792

Inverse Universe

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



13.9555, 12.7586, 18.8675



23.4980, 20.7686, 32.9073



14.3991, 13.0272, 17.0855



3.7415, 3.7141, 4.6099



7.9319, 3.6804, 18.8349



37.8402, 17.5158, 91.7468

Previews

White Background



This preview shows how the XYZ color 13.7543, 16.4743, 13.0446 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 13.7543, 16.4743, 13.0446 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 13.7543, 16.4743, 13.0446

Background



This preview shows how black text looks on a background with the XYZ color 13.7543, 16.4743, 13.0446.



This preview shows how white text looks on a background with the XYZ color 13.7543, 16.4743,

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

13.7543, 16.4743, 13.0446

Protanopia

15.2902, 16.2656, 12.2312

Deuteranopia

16.5271, 16.2368, 13.3293



Tritanopia

15.4182, 16.4679, 21.1049

Trichromacy



Original Color

13.7543, 16.4743, 13.0446

Protanomaly

14.6312, 16.2521, 12.4910

Deuteranomaly

15.3309, 16.2661, 13.1581

Tritanomaly

14.6489, 16.3149, 17.7062

Monochromacy



Original Color

13.7543, 16.4743, 13.0446

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3477, 15.8739, 15.4045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7543, 16.4743, 13.0446 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(100, 118, 94)` looks like.

```
.text, #text, p{  
    color:rgb(100, 118, 94)  
}
```

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(100, 118, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 118, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.7543, 16.4743, 13.0446 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(100, 118, 94) }
```


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

```
.border{ border-color:rgb(100, 118, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 118, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 118, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 118, 94);  
box-shadow:4px 4px 4px 4px rgb(100, 118,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7543, 16.4743, 13.0446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 118, 94) }
```

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

```
.background{ background-color: rgb(100,  
118, 94) }
```

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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