

Converting Colors

XYZ(16.5698, 17.5941, 13.6314)

Have a look what the booklet for
XYZ(16.5698, 17.5941, 13.6314)
contains.

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Color

**XYZ(16.5251, 17.5463,
13.5821)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7460
RGB	123, 116, 96
RGB Percent	48%, 45%, 38%
CMY	0.5176, 0.5451, 0.6235
CMYK	0.00, 0.06, 0.22, 0.52
HSL	44°, 12%, 43%
HSV	44°, 22%, 48%
XYZ	16.5251, 17.5463, 13.5821
YIQ	115.8130, 10.5920, -4.7360

Conversions

Conversions Part 2

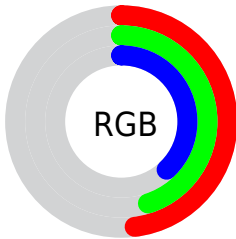
Format	Color
R_{YB}	105, 123, 96
Decimal	8090720
CIE Lab	48.94, -0.85, 12.04
CIE LCh	49, 12.067, 94.057
Yxy	17.5463, 0.3468, 0.3682
Android (android.graphics.Color)	4286280800 (0xFF7B7460)
YUV	115.8130, -9.7678, 6.3030
Hunter-Lab	41.8883, -2.8856, 10.0973

Details

The XYZ color **16.5251, 17.5463, 13.5821** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2492, 13.6170, 20.6690**, and the grayscale version is **16.5703, 17.4332, 18.9848**.

A 20% lighter version of the original color is **37.1736, 39.3420, 33.2383**, and **5.4669, 5.8204, 3.8529** is the 20% darker color. If you saturate the color by 10%, you get **15.6416, 16.6156, 10.7089**, and if you desaturate by 10%, it is **17.5108, 18.5393, 16.9270**.

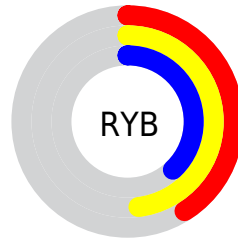
Distribution



Red (48%)

Green (45%)

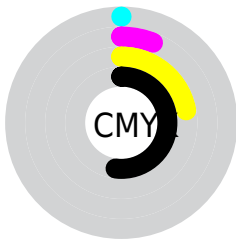
Blue (38%)



Red (41%)

Yellow (48%)

Blue (38%)

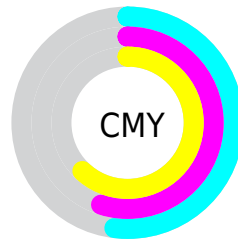


Cyan (0%)

Magenta (6%)

Yellow (22%)

Black (52%)



Cyan (52%)

Magenta (55%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5251, 17.5463, 13.5821 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 16.5251, 17.5463, 13.5821 by changing the saturation by 10% instead.

■ 16.5251, 17.5463,
13.5821

■ 16.5251, 17.5463,
13.5821

225.6306,
238.3012, 225.9526

■ 9.9897, 10.6248,
7.6952

■ 37.0576, 39.2627,
33.0520

■ 5.4543, 5.8151,
3.8156

■ 51.7853, 54.8263,
47.4722

■ 2.5537, 2.7330,
1.5247

■ 69.9746, 74.0395,
65.5737

■ 0.9224, 0.9940,
0.2362

■ 91.9907, 97.2865,
87.7753

■ 0.0000, 0.0000,
0.0000

118.1989,
124.9517, 114.4955

148.9648,

157.4197, 146.1527

184.6536,
195.0747, 183.1656

■ 16.5251, 17.5463,
13.5821

■ 16.5251, 17.5463,
13.5821

■ 15.6416, 16.6156,
10.7089

■ 17.5108, 18.5393,
16.9270

■ 14.8546, 15.7429,
8.2847

■ 18.6013, 19.5939,
20.7627

■ 14.1600, 14.9269,
6.2863

■ 19.8007, 20.7127,
25.1088

■ 13.5530, 14.1656,
4.6882

■ 21.1126, 21.8972,
29.9832

■ 13.0279, 13.4563,
3.4622

■ 22.5404, 23.1490,
35.4032

■ 12.5786, 12.7966,
2.5763

■ 24.0872, 24.4696,
41.3852

■ 12.1979, 12.1832,
1.9930

■ 25.7563, 25.8604,
47.9448

■ 11.9202, 11.7145,
1.6329

■ 27.5505, 27.3227,
55.0972

■ 29.4727, 28.8579,
62.8568

Harmonies

Analogous

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



17.6387, 17.5463, 14.0713



16.5251, 17.5463, 13.5821



15.4983, 17.5463, 14.4308

Triad

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



16.5251, 17.5463, 13.5821



14.9534, 17.5463, 22.7771



18.6929, 17.5463, 21.9366

Complementary

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



16.5251, 17.5463, 13.5821



13.2492, 13.6170, 20.6690

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.



17.9145, 17.5463, 24.6929



16.5251, 17.5463, 13.5821



15.7514, 17.5463, 25.2151

Square

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



16.5251, 17.5463, 13.5821



14.6170, 17.5463, 19.5453



16.8303, 17.5463, 25.9525



18.9225, 17.5463, 18.6712

Rectangle

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



16.5251, 17.5463, 13.5821



14.9913, 17.5463, 15.7037



16.8303, 17.5463, 25.9525



18.4850, 17.5463, 22.9649

Sweetspot

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



16.5256, 17.5471, 13.5825



32.2665, 34.0873, 33.4823



14.8096, 13.5602, 14.7217



7.5794, 8.0088, 7.8159



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.5256, 17.5471, 13.5825



28.8287, 30.6269, 21.8075



16.4903, 18.7717, 13.8207



4.2240, 4.4665, 4.2640



12.3268, 12.1095, 1.6877



58.0843, 56.3320, 7.8118

Inverse Universe

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



13.2492, 13.6170, 20.6690



21.9371, 22.3614, 36.7166



13.2718, 12.6383, 20.4789



3.8743, 4.0469, 5.0201



4.2253, 2.5330, 19.6515



19.5567, 10.8861, 93.5403

Previews

White Background



This preview shows how the XYZ color 16.5251, 17.5463, 13.5821 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 16.5251, 17.5463, 13.5821 looks on a black 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

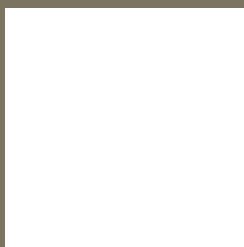
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5251, 17.5463, 13.5821

Background



This preview shows how black text looks on a background with the XYZ color 16.5251, 17.5463, 13.5821.



This preview shows how white text looks on a background with the XYZ color 16.5251, 17.5463,

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

16.5251, 17.5463, 13.5821

Protanopia

16.5251, 17.5463, 13.5821

Deuteranopia

17.7834, 17.5197, 13.7536



Tritanopia

17.8495, 17.4044, 20.5078

Trichromacy



Original Color

16.5251, 17.5463, 13.5821

Protanomaly

16.5251, 17.5463, 13.5821

Deuteranomaly

17.2687, 17.4191, 13.7613

Tritanomaly

17.2872, 17.3401, 17.7651

Monochromacy



Original Color

16.5251, 17.5463, 13.5821

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6135, 17.5168, 16.9735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5251, 17.5463, 13.5821 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(123, 116, 96)` looks like.

```
.text, #text, p{  
    color:rgb(123, 116, 96)  
}
```

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(123, 116, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 116, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.5251, 17.5463, 13.5821 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(123, 116, 96) }
```


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

```
.border{ border-color:rgb(123, 116, 96) }
```

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

Here you see how a box with a 4 pixel rgb(123, 116, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 116, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 116, 96);  
box-shadow:4px 4px 4px 4px rgb(123, 116,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5251, 17.5463, 13.5821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 116, 96) }
```

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

```
.background{ background-color: rgb(123,  
116, 96) }
```

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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