

Converting Colors

XYZ(16.8748, 14.6464, 7.7320)

Have a look what the booklet for
XYZ(16.8748, 14.6464, 7.7320)
contains.

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Color

**XYZ(16.8748, 14.6464,
7.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	915F46
RGB	145, 95, 70
RGB Percent	57%, 37%, 27%
CMY	0.4314, 0.6274, 0.7255
CMYK	0.00, 0.34, 0.52, 0.43
HSL	20°, 35%, 42%
HSV	20°, 52%, 57%
XYZ	16.8748, 14.6464, 7.7320
YIQ	107.1000, 37.8250, 2.8250

Conversions

Conversions Part 2

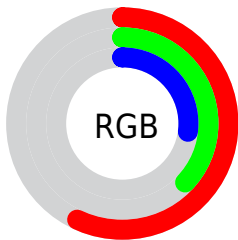
Format	Color
R_{YB}	145, 108, 70
Decimal	9527110
CIE _{Lab}	45.15, 17.46, 22.60
CIE _{LCh}	45, 28.561, 52.317
Yxy	14.6464, 0.4299, 0.3731
Android (android.graphics.Color)	4287717190 (0xFF915F46)
YUV	107.1000, -18.2903, 33.2383
Hunter-Lab	38.2706, 11.7331, 14.8108

Details

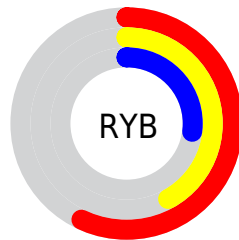
The XYZ color **16.8748, 14.6464, 7.7320** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3528, 16.7786, 29.2702**, and the grayscale version is **14.0450, 14.7765, 16.0916**.

A 20% lighter version of the original color is **37.6961, 34.3072, 22.0879**, and **5.6570, 4.4638, 1.5407** is the 20% darker color. If you saturate the color by 10%, you get **15.6539, 12.8508, 5.3331**, and if you desaturate by 10%, it is **18.3150, 16.7038, 10.7496**.

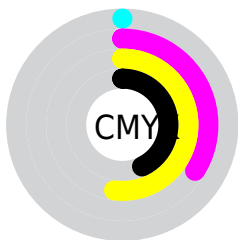
Distribution



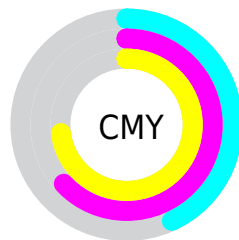
- Red (57%)
- Green (37%)
- Blue (27%)



- Red (57%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (34%)
- Yellow (52%)
- Black (43%)





- Cyan (43%)
- Magenta (63%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8748, 14.6464, 7.7320 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 16.8748, 14.6464, 7.7320 by changing the saturation by 10% instead.


 16.8748, 14.6464,
7.7320


 16.8748, 14.6464,
7.7320


227.6202,
221.2159, 183.4700


 10.2400, 8.5716,
3.8386


 37.6557, 34.2317,
21.9688


 5.6219, 4.4628,
1.5372

 52.5325, 48.5109,
33.1493

 2.6550, 1.9357,
0.2454

 70.8874, 66.2938,
47.5959

 0.9741, 0.5697,
0.0000

 93.0857, 87.9646,
65.7272

 0.0000, 0.0000,
0.0000

 119.4928,
113.9078, 87.9618

150.4740,

144.5079, 114.7180

186.3947,
180.1491, 146.4146

■ 16.8748, 14.6464,
7.7320

■ 16.8748, 14.6464,
7.7320

■ 15.6539, 12.8508,
5.3331

■ 18.3150, 16.7038,
10.7496

■ 14.6392, 11.3037,
3.5082

■ 19.9845, 19.0312,
14.4247

■ 13.8177, 9.9937,
2.2076

■ 21.8939, 21.6392,
18.7939

■ 13.1741, 8.9077,
1.3729

■ 24.0527, 24.5369,
23.8908

■ 12.7480, 8.1616,
0.9034

■ 26.4699, 27.7332,
29.7468

■ 29.1542, 31.2366,
36.3914

■ 32.1136, 35.0551,
43.8527

■ 35.3559, 39.1965,
52.1572

■ 38.8886, 43.6684,
61.3303

Harmonies

Analogous

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



18.5414, 14.6464, 11.5147



16.8748, 14.6464, 7.7320



14.5348, 14.6464, 6.2426

Triad

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



16.8748, 14.6464, 7.7320



9.9003, 14.6464, 14.2766



15.7112, 14.6464, 31.1939

Complementary

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



16.8748, 14.6464, 7.7320



14.3528, 16.7786, 29.2702

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.



13.3246, 14.6464, 32.5495



16.8748, 14.6464, 7.7320



10.1400, 14.6464, 21.3928

Square

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



16.8748, 14.6464, 7.7320



10.6377, 14.6464, 9.2640



11.3337, 14.6464, 28.5613



17.8185, 14.6464, 25.2551

Rectangle

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



16.8748, 14.6464, 7.7320



12.9777, 14.6464, 6.3405



11.3337, 14.6464, 28.5613



14.9088, 14.6464, 32.2576

Sweetspot

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



16.8752, 14.6471, 7.7323



41.2360, 41.4841, 38.4113



17.2575, 11.7563, 19.1290



9.0189, 9.0210, 8.1808



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.8752, 14.6471, 7.7323



27.7248, 22.5501, 8.9721



21.1018, 23.1005, 9.1412



5.5466, 5.6996, 5.6972



10.9564, 7.0444, 0.7822



0.1234, 0.1047, 0.0137

Inverse Universe

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



14.3528, 16.7786, 29.2702



22.6614, 26.7435, 51.9412



10.6919, 9.4569, 28.0499



5.4108, 5.8175, 6.8665



8.0478, 9.0816, 24.3058



0.0973, 0.1275, 0.2392

Previews

White Background



This preview shows how the XYZ color 16.8748, 14.6464, 7.7320 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 16.8748, 14.6464, 7.7320 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 16.8748, 14.6464, 7.7320

Background



This preview shows how black text looks on a background with the XYZ color 16.8748, 14.6464, 7.7320.



This preview shows how white text looks on a background with the XYZ color 16.8748, 14.6464,

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

16.8748, 14.6464, 7.7320

Protanopia

13.7302, 14.7364, 8.7774

Deuteranopia

14.8788, 14.5995, 7.6640



Tritanopia

17.9783, 14.5671, 13.4194

Trichromacy



Original Color

16.8748, 14.6464, 7.7320

Protanomaly

14.8052, 14.6936, 8.3592

Deuteranomaly

15.5277, 14.5042, 7.6114

Tritanomaly

17.4427, 14.4699, 11.1062

Monochromacy



Original Color

16.8748, 14.6464, 7.7320

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.7558, 14.5736, 12.6249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8748, 14.6464, 7.7320 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(145, 95, 70)` looks like.

```
.text, #text, p{  
    color:rgb(145, 95, 70)  
}
```

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(145, 95, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 95, 70) }
```

Border

The CSS property to change the border of an element to XYZ 16.8748, 14.6464, 7.7320 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(145, 95, 70) }
```


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

```
.border{ border-color:rgb(145, 95, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 95, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 95, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 95, 70);  
box-shadow:4px 4px 4px 4px rgb(145, 95,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8748, 14.6464, 7.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 95, 70) }
```

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

```
.background{ background-color: rgb(145, 95,  
70) }
```

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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