

Converting Colors

XYZ(16.4958, 13.9781, 6.9902)

Have a look what the booklet for
XYZ(16.4958, 13.9781, 6.9902)
contains.

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Color

**XYZ(16.4015, 13.8953,
6.9719)**

Conversions

Conversions Part 1

Format	Color
Hex	915B42
RGB	145, 91, 66
RGB Percent	57%, 36%, 26%
CMY	0.4314, 0.6431, 0.7412
CMYK	0.00, 0.37, 0.54, 0.43
HSL	19°, 37%, 41%
HSV	19°, 54%, 57%
XYZ	16.4015, 13.8953, 6.9719
YIQ	104.2960, 40.2090, 3.6730

Conversions

Conversions Part 2

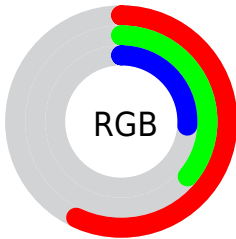
Format	Color
R_{YB}	145, 103, 66
Decimal	9526082
CIE _{Lab}	44.08, 19.39, 23.58
CIE _{LCh}	44, 30.527, 50.564
Yxy	13.8953, 0.4401, 0.3728
Android (android.graphics.Color)	4287716162 (0xFF915B42)
YUV	104.2960, -18.8799, 35.6974
Hunter-Lab	37.2764, 13.3057, 15.0043

Details

The XYZ color **16.4015, 13.8953, 6.9719** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.0737, 16.6346, 29.2569**, and the grayscale version is **13.2794, 13.9709, 15.2143**.

A 20% lighter version of the original color is **36.7977, 32.9784, 20.3456**, and **5.3599, 4.0834, 1.2647** is the 20% darker color. If you saturate the color by 10%, you get **15.2350, 12.1620, 4.7347**, and if you desaturate by 10%, it is **17.7890, 15.8972, 9.8177**.

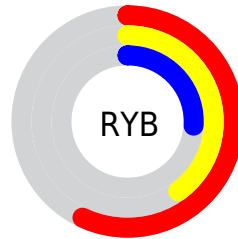
Distribution



Red (57%)

Green (36%)

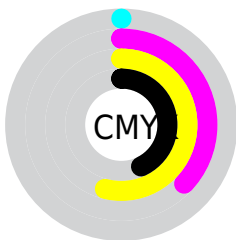
Blue (26%)



Red (57%)

Yellow (40%)

Blue (26%)

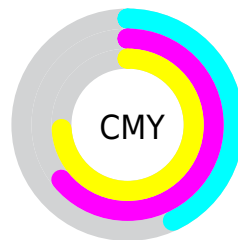


Cyan (0%)

Magenta (37%)

Yellow (54%)

Black (43%)



Cyan (43%)

Magenta (64%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4015, 13.8953, 6.9719 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 16.4015, 13.8953, 6.9719 by changing the saturation by 10% instead.

■ 16.4015, 13.8953,
6.9719

■ 16.4015, 13.8953,
6.9719

224.9235,
216.5785, 177.0521

■ 9.9014, 8.0479,
3.3664

■ 36.8457, 32.9031,
20.4286

■ 5.3954, 4.1256,
1.2846

■ 51.5204, 46.8323,
31.1168

■ 2.5182, 1.7441,
0.0491

■ 69.6507, 64.2243,
45.0029

■ 0.9044, 0.4519,
0.0000

■ 91.6020, 85.4633,
62.5056

■ 0.0000, 0.0000,
0.0000

■ 117.7396,
110.9339, 84.0433

■ 148.4287,

141.0203, 110.0346

184.0349,
176.1071, 140.8980

■ 16.4015, 13.8953,
6.9719

■ 16.4015, 13.8953,
6.9719

■ 15.2350, 12.1620,
4.7347

■ 17.7890, 15.8972,
9.8177

■ 14.2758, 10.6831,
3.0600

■ 19.4080, 18.1768,
13.3123

■ 13.5100, 9.4462,
1.8959

■ 21.2697, 20.7454,
17.4930

■ 12.9205, 8.4366,
1.1772

■ 23.3841, 23.6129,
22.3944

■ 12.6498, 7.9653,
0.8707

■ 25.7606, 26.7888,
28.0484

■ 28.4080, 30.2821,
34.4851

■ 31.3350, 34.1015,
41.7332

■ 34.5496, 38.2553,
49.8194

■ 38.0596, 42.7515,
58.7698

Harmonies

Analogous

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



18.0803, 13.8953, 10.9009



16.4015, 13.8953, 6.9719



13.9877, 13.8953, 5.3989

Triad

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



16.4015, 13.8953, 6.9719



9.1148, 13.8953, 13.0409



14.9164, 13.8953, 31.4264

Complementary

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



16.4015, 13.8953, 6.9719



14.0737, 16.6346, 29.2569

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.



12.4561, 13.8953, 32.5320



16.4015, 13.8953, 6.9719



9.2991, 13.8953, 20.3310

Square

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



16.4015, 13.8953, 6.9719



9.9183, 13.8953, 8.1243



10.4569, 13.8953, 27.9899



17.1526, 13.8953, 25.3159

Rectangle

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



16.4015, 13.8953, 6.9719



12.3692, 13.8953, 5.4219



10.4569, 13.8953, 27.9899



14.0820, 13.8953, 32.4559

Sweetspot

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



16.4018, 13.8960, 6.9722



41.1417, 41.2955, 38.3799



17.0949, 11.3041, 19.4667



8.9960, 8.9752, 8.1732



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.



16.4018, 13.8960, 6.9722



26.9345, 21.2502, 7.8433



20.5370, 22.1663, 8.3505



5.5395, 5.6854, 5.6948



10.8716, 6.8748, 0.7540



0.1220, 0.1019, 0.0132

Inverse Universe

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



14.0737, 16.6346, 29.2569



22.2896, 26.5951, 51.9321



10.3599, 9.2072, 28.0190



5.4183, 5.8323, 6.8689



8.2434, 9.4728, 24.3710



0.0987, 0.1303, 0.2396

Previews

White Background



This preview shows how the XYZ color 16.4015, 13.8953, 6.9719 looks on a white background.

Color Contrast Check

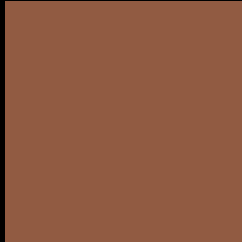
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4015, 13.8953, 6.9719 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 16.4015, 13.8953, 6.9719

Background



This preview shows how black text looks on a background with the XYZ color 16.4015, 13.8953, 6.9719.



This preview shows how white text looks on a background with the XYZ color 16.4015, 13.8953,

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

16.4015, 13.8953, 6.9719

Protanopia

12.9990, 14.0688, 7.9917

Deuteranopia

14.2350, 13.9965, 6.8018



Tritanopia

17.4612, 13.8276, 12.3384

Trichromacy



Original Color

16.4015, 13.8953, 6.9719

Protanomaly

14.0888, 13.9040, 7.5714

Deuteranomaly

15.0603, 13.9994, 6.9094

Tritanomaly

16.9440, 13.7305, 10.1447

Monochromacy



Original Color

16.4015, 13.8953, 6.9719

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.9151, 13.5838, 11.5614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4015, 13.8953, 6.9719 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, 91, 66)` looks like.

```
.text, #text, p{  
    color:rgb(145, 91, 66)  
}
```

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, 91, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 91, 66) }
```

Border

The CSS property to change the border of an element to XYZ 16.4015, 13.8953, 6.9719 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, 91, 66) }
```


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

```
.border{ border-color:rgb(145, 91, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 91, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 91, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 91, 66);  
box-shadow:4px 4px 4px 4px rgb(145, 91,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4015, 13.8953, 6.9719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 91, 66) }
```

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

```
.background{ background-color: rgb(145, 91,  
66) }
```

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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