

Converting Colors

XYZ(13.5039, 11.6900, 7.7385)

Have a look what the booklet for
XYZ(13.5039, 11.6900, 7.7385)
contains.

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Color

**XYZ(13.4715, 11.6320,
7.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	815548
RGB	129, 85, 72
RGB Percent	51%, 33%, 28%
CMY	0.4941, 0.6667, 0.7176
CMYK	0.00, 0.34, 0.44, 0.49
HSL	14°, 28%, 39%
HSV	14°, 44%, 51%
XYZ	13.4715, 11.6320, 7.6661
YIQ	96.6740, 30.3970, 5.2850

Conversions

Conversions Part 2

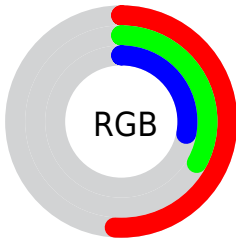
Format	Color
R_{YB}	129, 89, 72
Decimal	8475976
CIE _{Lab}	40.63, 16.62, 15.04
CIE _{LCh}	41, 22.417, 42.153
Yxy	11.6320, 0.4111, 0.3550
Android (android.graphics.Color)	4286666056 (0xFF815548)
YUV	96.6740, -12.1643, 28.3499
Hunter-Lab	34.1057, 10.8211, 10.5471

Details

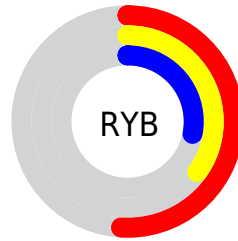
The XYZ color **13.4715, 11.6320, 7.6661** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.8802, 15.4530, 23.0728**, and the grayscale version is **11.3063, 11.8951, 12.9537**.

A 20% lighter version of the original color is **31.8823, 28.8988, 21.9868**, and **3.9957, 3.1127, 1.4888** is the 20% darker color. If you saturate the color by 10%, you get **12.3645, 10.0224, 5.4342**, and if you desaturate by 10%, it is **14.7777, 13.4988, 10.4004**.

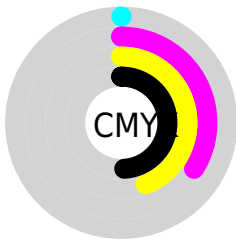
Distribution



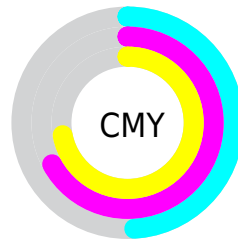
- Red (51%)
- Green (33%)
- Blue (28%)



- Red (51%)
- Yellow (35%)
- Blue (28%)



- Cyan (0%)
- Magenta (34%)
- Yellow (44%)
- Black (49%)



- Cyan (49%)
- Magenta (67%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4715, 11.6320, 7.6661 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 13.4715, 11.6320, 7.6661 by changing the saturation by 10% instead.

■ 13.4715, 11.6320,
7.6661

■ 13.4715, 11.6320,
7.6661

207.4948,
201.9536, 182.9248

■ 7.8332, 6.4936,
3.7974

■ 31.7425, 28.8231,
21.8365

■ 4.0393, 3.1475,
1.5148

■ 45.1059, 41.6446,
32.9752

■ 1.7244, 1.2092,
0.2289

■ 61.7750, 57.7959,
47.3743

■ 0.4715, 0.0692,
0.0000

■ 82.1153, 77.6614,
65.4524

■ 0.0000, 0.0000,
0.0000

■ 106.4921,
101.6255, 87.6279

135.2707,

130.0727, 114.3195

168.8165,
163.3872, 145.9456

■ 13.4715, 11.6320,
7.6661

■ 13.4715, 11.6320,
7.6661

■ 12.3645, 10.0224,
5.4342

■ 14.7777, 13.4988,
10.4004

■ 11.4458, 8.6568,
3.6732

■ 16.2917, 15.6317,
13.6646

■ 10.7045, 7.5235,
2.3490

■ 18.0226, 18.0413,
17.4852

■ 10.1282, 6.6092,
1.4226

■ 19.9787, 20.7372,
21.8865

■ 9.7018, 5.8984,
0.8426

■ 22.1676, 23.7284,
26.8914

■ 9.5032, 5.5669,
0.5737

■ 24.5970, 27.0236,
32.5216

■ 27.2740, 30.6310,
38.7978

■ 30.2052, 34.5587,
45.7396

■ 33.3973, 38.8143,
53.3659

Harmonies

Analogous

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



14.3093, 11.6320, 10.9159



13.4715, 11.6320, 7.6661



12.0160, 11.6320, 6.0436

Triad

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



13.4715, 11.6320, 7.6661



8.4023, 11.6320, 10.1753



11.7097, 11.6320, 23.2518

Complementary

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



13.4715, 11.6320, 7.6661



12.8802, 15.4530, 23.0728

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.



10.1483, 11.6320, 22.9171



13.4715, 11.6320, 7.6661



8.3372, 11.6320, 14.5922

Square

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



13.4715, 11.6320, 7.6661



9.1349, 11.6320, 7.2360



8.9478, 11.6320, 19.4690



13.2289, 11.6320, 20.2965

Rectangle

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



13.4715, 11.6320, 7.6661



10.9418, 11.6320, 5.7945



8.9478, 11.6320, 19.4690



11.1707, 11.6320, 23.5369

Sweetspot

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



13.4718, 11.6326, 7.6663



32.5665, 32.7123, 31.9638



14.5611, 10.5781, 17.9964



7.2295, 7.2079, 6.9188



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4718, 11.6326, 7.6663



22.1318, 17.9327, 9.7113



16.1115, 16.9120, 8.5462



4.4012, 4.4912, 4.5550



9.2685, 5.4334, 0.5602



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8802, 15.4530, 23.0728



20.9112, 25.6698, 41.0451



10.1371, 9.9670, 22.1585



4.3659, 4.7258, 5.4953



8.2701, 10.3587, 21.8135



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4715, 11.6320, 7.6661 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 13.4715, 11.6320, 7.6661 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 13.4715, 11.6320, 7.6661

Background



This preview shows how black text looks on a background with the XYZ color 13.4715, 11.6320, 7.6661.



This preview shows how white text looks on a background with the XYZ color 13.4715, 11.6320,

7.6661.

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

13.4715, 11.6320, 7.6661

Protanopia

11.0019, 11.7263, 8.7047

Deuteranopia

11.9039, 11.6866, 7.5896



Tritanopia

14.1023, 11.6536, 10.9573

Trichromacy



Original Color

13.4715, 11.6320, 7.6661

Protanomaly

11.7792, 11.6070, 8.2762

Deuteranomaly

12.3175, 11.5216, 7.5359

Tritanomaly

13.9376, 11.7110, 9.7095

Monochromacy



Original Color

13.4715, 11.6320, 7.6661

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.9825, 11.7845, 10.8756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4715, 11.6320, 7.6661 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(129, 85, 72)` looks like.

```
.text, #text, p{  
    color:rgb(129, 85, 72)  
}
```

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(129, 85, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 85, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.4715, 11.6320, 7.6661 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(129, 85, 72) }
```


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

```
.border{ border-color:rgb(129, 85, 72) }
```

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

Here you see how a box with a 4 pixel rgb(129, 85, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 85, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 85, 72);  
box-shadow:4px 4px 4px 4px rgb(129, 85,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4715, 11.6320, 7.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 85, 72) }
```

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

```
.background{ background-color: rgb(129, 85,  
72) }
```

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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