

Converting Colors

XYZ(16.4691, 13.0435, 10.4533)

Have a look what the booklet for
XYZ(16.4691, 13.0435, 10.4533)
contains.

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Color

**XYZ(16.5271, 13.0323,
10.4485)**

Conversions

Conversions Part 1

Format	Color
Hex	915456
RGB	145, 84, 86
RGB Percent	57%, 33%, 34%
CMY	0.4314, 0.6706, 0.6627
CMYK	0.00, 0.42, 0.41, 0.43
HSL	358°, 27%, 45%
HSV	358°, 42%, 57%
XYZ	16.5271, 13.0323, 10.4485
YIQ	102.4670, 35.7140, 13.5540

Conversions

Conversions Part 2

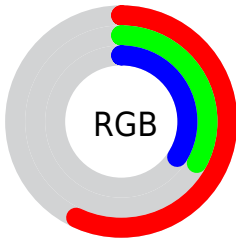
Format	Color
RYB	145, 84, 86
Decimal	9524310
CIELab	42.81, 25.58, 9.84
CIELCh	43, 27.403, 21.033
Yxy	13.0323, 0.4131, 0.3257
Android (android.graphics.Color)	4287714390 (0xFF915456)
YUV	102.4670, -8.1182, 37.3014
Hunter-Lab	36.1003, 18.5438, 8.1099

Details

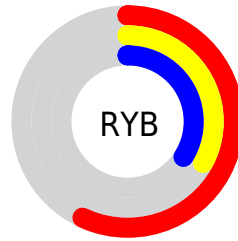
The XYZ color **16.5271, 13.0323, 10.4485** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.7401, 24.1191, 29.6558**, and the grayscale version is **12.7661, 13.4309, 14.6263**.

A 20% lighter version of the original color is **37.1953, 31.5230, 27.4167**, and **5.4754, 3.7585, 2.5347** is the 20% darker color. If you saturate the color by 10%, you get **15.0052, 10.8058, 7.4215**, and if you desaturate by 10%, it is **18.3936, 15.7704, 14.1377**.

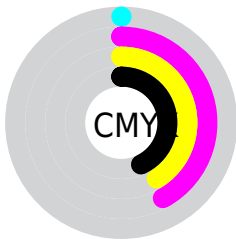
Distribution



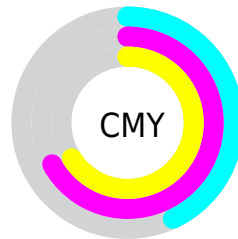
- Red (57%)
- Green (33%)
- Blue (34%)



- Red (57%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (42%)
- Yellow (41%)
- Black (43%)



- Cyan (43%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5271, 13.0323, 10.4485 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 16.5271, 13.0323, 10.4485 by changing the saturation by 10% instead.

■ 16.5271, 13.0323,
10.4485

■ 16.5271, 13.0323,
10.4485

225.6420,
211.1246, 204.4435

■ 9.9911, 7.4508,
5.5879

■ 37.0610, 31.3618,
27.2566

■ 5.4553, 3.7456,
2.5314

■ 51.7896, 44.8786,
40.0412

■ 2.5543, 1.5323,
0.8567

■ 69.9798, 61.8092,
56.3041

■ 0.9227, 0.3113,
0.0000

■ 91.9969, 82.5382,
76.4640

■ 0.0000, 0.0000,
0.0000

■ 118.2064,
107.4498, 100.9393

148.9735,

136.9285, 130.1487

184.6636,
171.3586, 164.5106

■ 16.5271, 13.0323,
10.4485

■ 16.5271, 13.0323,
10.4485

■ 15.0052, 10.8058,
7.4215

■ 18.3936, 15.7704,
14.1377

■ 13.8059, 9.0575,
5.0169

■ 20.6228, 19.0470,
18.5245

■ 12.9061, 7.7528,
3.1916

■ 23.2331, 22.8896,
23.6422

■ 12.2796, 6.8519,
1.8969

■ 26.2409, 27.3231,
29.5223

■ 11.8952, 6.3079,
1.0759

■ 29.6619, 32.3709,
36.1941

■ 11.7030, 6.0301,
0.6834

■ 33.5110, 38.0553,
43.6854

■ 37.8022, 44.3972,
52.0228

■ 42.5489, 51.4169,
61.2314

■ 47.7641, 59.1336,
71.3357

Harmonies

Analogous

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



16.7934, 13.0323, 16.0596



16.5271, 13.0323, 10.4485



15.0885, 13.0323, 6.9931

Triad

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



16.5271, 13.0323, 10.4485



9.5187, 13.0323, 8.1152



11.7712, 13.0323, 28.8569

Complementary

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



16.5271, 13.0323, 10.4485



18.7401, 24.1191, 29.6558

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.



10.0285, 13.0323, 25.1457



16.5271, 13.0323, 10.4485



8.8276, 13.0323, 12.4714

Square

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



16.5271, 13.0323, 10.4485



11.0003, 13.0323, 5.9330



9.0031, 13.0323, 18.7324



13.8852, 13.0323, 27.8638

Rectangle

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



16.5271, 13.0323, 10.4485



13.7388, 13.0323, 5.8540



9.0031, 13.0323, 18.7324



11.1266, 13.0323, 28.0869

Sweetspot

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



16.5274, 13.0329, 10.4487



41.0066, 40.1075, 41.1641



19.6034, 14.2223, 28.5000



8.9051, 8.6024, 8.7318



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.



16.5274, 13.0329, 10.4487



27.1240, 19.7195, 13.7933



19.1235, 18.3520, 10.9228



5.4156, 5.4268, 5.6865



10.0401, 5.1730, 0.5963



0.0971, 0.0499, 0.0117

Inverse Universe

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



16.5274, 13.0329, 10.4487



27.1240, 19.7195, 13.7933



15.0747, 16.5439, 29.1868



5.4156, 5.4268, 5.6865



10.0401, 5.1730, 0.5963



0.0971, 0.0499, 0.0117

Previews

White Background



This preview shows how the XYZ color 16.5271, 13.0323, 10.4485 looks on a white background.

Color Contrast Check

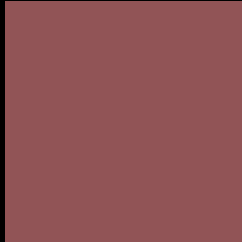
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5271, 13.0323, 10.4485 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 16.5271, 13.0323, 10.4485

Background



This preview shows how black text looks on a background with the XYZ color 16.5271, 13.0323, 10.4485.



This preview shows how white text looks on a background with the XYZ color 16.5271, 13.0323,

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

16.5271, 13.0323, 10.4485

Protanopia

12.5449, 13.1368, 12.7009

Deuteranopia

13.4391, 13.2270, 10.2323



Tritanopia

16.6158, 12.9444, 11.2956

Trichromacy



Original Color

16.5271, 13.0323, 10.4485

Protanomaly

13.7697, 12.9502, 11.8991

Deuteranomaly

14.4561, 13.0738, 10.3559

Tritanomaly

16.5735, 12.9275, 11.0729

Monochromacy



Original Color

16.5271, 13.0323, 10.4485

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6747, 12.8805, 12.8318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5271, 13.0323, 10.4485 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, 84, 86)` looks like.

```
.text, #text, p{  
    color:rgb(145, 84, 86)  
}
```

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, 84, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 84, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.5271, 13.0323, 10.4485 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, 84, 86) }
```


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

```
.border{ border-color:rgb(145, 84, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 84, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 84, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 84, 86);  
box-shadow:4px 4px 4px 4px rgb(145, 84,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5271, 13.0323, 10.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 84, 86) }
```

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

```
.background{ background-color: rgb(145, 84,  
86) }
```

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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