

Converting Colors

XYZ(16.2855, 15.1108, 12.0452)

Have a look what the booklet for
XYZ(16.2855, 15.1108, 12.0452)
contains.

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Color

**XYZ(16.2149, 15.0492,
11.9477)**

Conversions

Conversions Part 1

Format	Color
Hex	85655B
RGB	133, 101, 91
RGB Percent	52%, 40%, 36%
CMY	0.4784, 0.6039, 0.6431
CMYK	0.00, 0.24, 0.32, 0.48
HSL	14°, 19%, 44%
HSV	14°, 32%, 52%
XYZ	16.2149, 15.0492, 11.9477
YIQ	109.4280, 22.2820, 3.6740

Conversions

Conversions Part 2

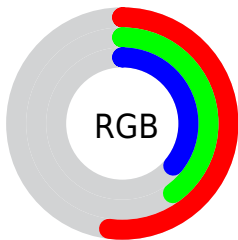
Format	Color
R_{YB}	133, 104, 91
Decimal	8742235
CIE _{Lab}	45.70, 11.35, 10.63
CIE _{LCh}	46, 15.554, 43.122
Yxy	15.0492, 0.3752, 0.3483
Android (android.graphics.Color)	4286932315 (0xFF85655B)
YUV	109.4280, -9.0850, 20.6726
Hunter-Lab	38.7933, 6.7215, 8.8950

Details

The XYZ color **16.2149, 15.0492, 11.9477** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.6309, 18.0831, 24.8570**, and the grayscale version is **14.6784, 15.4428, 16.8172**.

A 20% lighter version of the original color is **36.5295, 34.9444, 30.0189**, and **5.2725, 4.6216, 3.0968** is the 20% darker color. If you saturate the color by 10%, you get **14.7674, 12.9924, 8.8811**, and if you desaturate by 10%, it is **17.8862, 17.3907, 15.5910**.

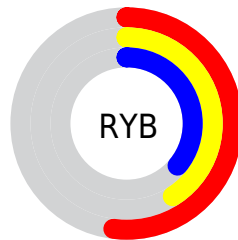
Distribution



Red (52%)

Green (40%)

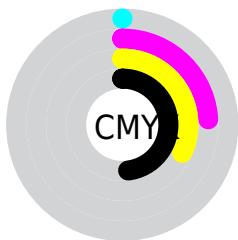
Blue (36%)



Red (52%)

Yellow (41%)

Blue (36%)

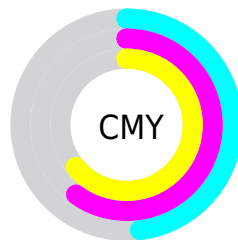


Cyan (0%)

Magenta (24%)

Yellow (32%)

Black (48%)



Cyan (48%)

Magenta (60%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2149, 15.0492, 11.9477 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 16.2149, 15.0492, 11.9477 by changing the saturation by 10% instead.

■ 16.2149, 15.0492,
11.9477

■ 16.2149, 15.0492,
11.9477

223.8520,
223.6638, 215.0244

■ 9.7682, 8.8539,
6.5860

■ 36.5253, 34.9395,
30.0628

■ 5.3066, 4.6460,
3.1301

■ 51.1197, 49.4032,
43.6532

■ 2.4648, 2.0411,
1.1614

■ 69.1607, 67.3920,
60.8236

■ 0.8776, 0.6312,
0.0000

■ 91.0136, 89.2901,
81.9926

■ 0.0000, 0.0000,
0.0000

117.0439,
115.4819, 107.5786

147.6168,

146.3519, 138.0002

183.0977,
182.2844, 173.6759

■ 16.2149, 15.0492,
11.9477

■ 16.2149, 15.0492,
11.9477

■ 14.7674, 12.9924,
8.8811

■ 17.8862, 17.3907,
15.5910

■ 13.5328, 11.2073,
6.3605

■ 19.7893, 20.0252,
19.8377

■ 12.5009, 9.6829,
4.3537

■ 21.9332, 22.9631,
24.7139

■ 11.6603, 8.4067,
2.8250

■ 24.3261, 26.2139,
30.2439

■ 10.9983, 7.3650,
1.7336

■ 26.9758, 29.7863,
36.4506

■ 10.5003, 6.5428,
1.0322

■ 29.8896, 33.6891,
43.3561

■ 10.1807, 6.0022,
0.6219

■ 33.0748, 37.9305,
50.9811

■ 36.5381, 42.5184,
59.3458

■ 40.2863, 47.4605,
68.4693

Harmonies

Analogous

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



16.8898, 15.0492, 14.8079



16.2149, 15.0492, 11.9477



15.0449, 15.0492, 10.4256

Triad

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



16.2149, 15.0492, 11.9477



12.0342, 15.0492, 14.3866



14.8812, 15.0492, 24.4298

Complementary

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



16.2149, 15.0492, 11.9477



15.6309, 18.0831, 24.8570

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.



13.5875, 15.0492, 24.2710



16.2149, 15.0492, 11.9477



11.9963, 15.0492, 18.0725

Square

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



16.2149, 15.0492, 11.9477



12.6560, 15.0492, 11.6799



12.5491, 15.0492, 21.8064



16.0888, 15.0492, 22.2119

Rectangle

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



16.2149, 15.0492, 11.9477



14.1676, 15.0492, 10.2061



12.5491, 15.0492, 21.8064



14.4409, 15.0492, 24.6615

Sweetspot

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



16.2153, 15.0499, 11.9480



36.3103, 37.0600, 37.4944



17.0018, 13.9040, 20.5924



8.0753, 8.2048, 8.2095



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.2153, 15.0499, 11.9480



27.1107, 24.2178, 17.2961



18.4964, 19.6121, 12.7084



4.7560, 4.8556, 4.9159



9.7028, 5.7283, 0.5943



0.0385, 0.0296, 0.0037

Inverse Universe

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



15.6309, 18.0831, 24.8570



25.8833, 30.5441, 44.2698



13.3193, 13.4599, 24.0865



4.7102, 5.0960, 5.9361



8.5019, 10.5516, 22.7253



0.0351, 0.0478, 0.0806

Previews

White Background



This preview shows how the XYZ color 16.2149, 15.0492, 11.9477 looks on a white background.

Color Contrast Check

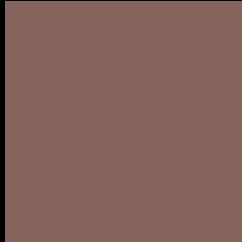
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2149, 15.0492, 11.9477 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 16.2149, 15.0492, 11.9477

Background



This preview shows how black text looks on a background with the XYZ color 16.2149, 15.0492, 11.9477.



This preview shows how white text looks on a background with the XYZ color 16.2149, 15.0492,

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

16.2149, 15.0492, 11.9477

Protanopia

14.3676, 15.1288, 12.9894

Deuteranopia

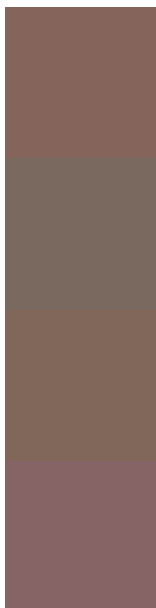
15.2532, 14.9988, 11.7640



Tritanopia

17.0550, 15.1152, 15.6543

Trichromacy



Original Color

16.2149, 15.0492, 11.9477

Protanomaly

14.9571, 14.9763, 12.6921

Deuteranomaly

15.5978, 15.0279, 11.7514

Tritanomaly

16.7377, 15.1223, 14.3486

Monochromacy



Original Color

16.2149, 15.0492, 11.9477

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0235, 15.1189, 14.6968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2149, 15.0492, 11.9477 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(133, 101, 91)` looks like.

```
.text, #text, p{  
    color:rgb(133, 101, 91)  
}
```

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(133, 101, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 101, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.2149, 15.0492, 11.9477 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(133, 101, 91) }
```


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

```
.border{ border-color:rgb(133, 101, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 101, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 101, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 101, 91);  
box-shadow:4px 4px 4px 4px rgb(133, 101,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2149, 15.0492, 11.9477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 101, 91) }
```

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

```
.background{ background-color: rgb(133,  
101, 91) }
```

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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