

Converting Colors

XYZ(16.8045, 16.5529, 12.6653)

Have a look what the booklet for
XYZ(16.8045, 16.5529, 12.6653)
contains.

XYZ(16.8045, 16.5529, 12.6653)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8045, 16.5529,
12.6653)**

Conversions

Conversions Part 1

Format	Color
Hex	836D5D
RGB	131, 109, 93
RGB Percent	51%, 43%, 36%
CMY	0.4863, 0.5725, 0.6353
CMYK	0.00, 0.17, 0.29, 0.49
HSL	25°, 17%, 44%
HSV	25°, 29%, 51%
XYZ	16.8045, 16.5529, 12.6653
YIQ	113.7540, 18.2480, -0.3120

Conversions

Conversions Part 2

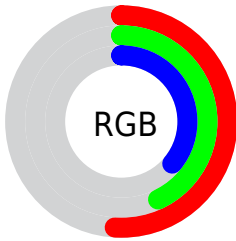
Format	Color
R_{YB}	131, 121, 93
Decimal	8613213
CIE Lab	47.69, 6.10, 12.18
CIE LCh	48, 13.623, 63.420
Yxy	16.5529, 0.3651, 0.3597
Android (android.graphics.Color)	4286803293 (0xFF836D5D)
YUV	113.7540, -10.2317, 15.1247
Hunter-Lab	40.6853, 2.5278, 10.0227

Details

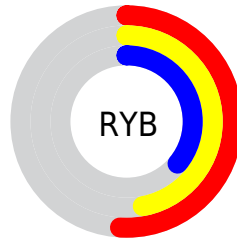
The XYZ color **16.8045, 16.5529, 12.6653** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7415, 16.2269, 23.8279**, and the grayscale version is **15.9467, 16.7772, 18.2704**.

A 20% lighter version of the original color is **37.5363, 37.4391, 31.2347**, and **5.6291, 5.3998, 3.4349** is the 20% darker color. If you saturate the color by 10%, you get **15.4990, 14.7922, 9.6086**, and if you desaturate by 10%, it is **18.2801, 18.4945, 16.2696**.

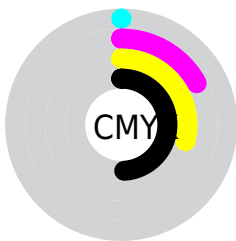
Distribution



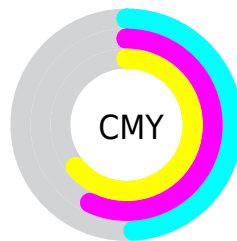
- Red (51%)
- Green (43%)
- Blue (36%)



- Red (51%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (17%)
- Yellow (29%)
- Black (49%)



- Cyan (49%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8045, 16.5529, 12.6653 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 16.8045, 16.5529, 12.6653 by changing the saturation by 10% instead.

■ 16.8045, 16.5529,
12.6653

■ 16.8045, 16.5529,
12.6653

227.2215,
232.5825, 219.8933

■ 10.1896, 9.9162,
7.0705

■ 37.5356, 37.5554,
31.3835

■ 5.5881, 5.3435,
3.4271

■ 52.3826, 52.6901,
45.3439

■ 2.6345, 2.4502,
1.3166

■ 70.7043, 71.4262,
62.9300

■ 0.9636, 0.8515,
0.0754

■ 92.8661, 94.1482,
84.5602

■ 0.0000, 0.0000,
0.0000

119.2334,
121.2404, 110.6530

150.1715,

153.0873, 141.6272

186.0457,
190.0732, 177.9011

■ 16.8045, 16.5529,
12.6653

■ 16.8045, 16.5529,
12.6653

■ 15.4990, 14.7922,
9.6086

■ 18.2801, 18.4945,
16.2696

■ 14.3555, 13.2046,
7.0711

■ 19.9309, 20.6200,
20.4457

■ 13.3670, 11.7850,
5.0235

■ 21.7634, 22.9352,
25.2179

■ 12.5257, 10.5272,
3.4333

■ 23.7833, 25.4449,
30.6084

■ 11.8226, 9.4244,
2.2635

■ 25.9961, 28.1537,
36.6384

■ 11.2477, 8.4692,
1.4718

■ 28.4070, 31.0661,
43.3284

■ 10.7776, 7.6488,
0.9457

■ 31.0210, 34.1865,
50.6974

■ 10.7343, 7.5736,
0.8961

■ 33.8430, 37.5190,
58.7641

■ 36.8777, 41.0677,
67.5463

Harmonies

Analogous

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



17.7701, 16.5529, 14.5755



16.8045, 16.5529, 12.6653



15.5937, 16.5529, 12.1223

Triad

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



16.8045, 16.5529, 12.6653



13.5089, 16.5529, 18.4264



17.0586, 16.5529, 24.2219

Complementary

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



16.8045, 16.5529, 12.6653



14.7415, 16.2269, 23.8279

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.



15.8732, 16.5529, 25.5827



16.8045, 16.5529, 12.6653



13.8579, 16.5529, 21.9760

Square

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



16.8045, 16.5529, 12.6653



13.7300, 16.5529, 15.1854



14.7081, 16.5529, 24.7124



17.9220, 16.5529, 21.1944

Rectangle

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



16.8045, 16.5529, 12.6653



14.8203, 16.5529, 12.5421



14.7081, 16.5529, 24.7124



16.6825, 16.5529, 24.9059

Sweetspot

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



16.8049, 16.5537, 12.6656



35.6295, 36.8463, 36.4534



16.3787, 13.8959, 18.0891



8.2036, 8.4615, 8.2522



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.



16.8049, 16.5537, 12.6656



28.4713, 27.4645, 18.8547



19.0334, 21.0106, 13.4085



4.8218, 4.9872, 4.9379



10.5688, 7.4601, 0.8829



0.0436, 0.0398, 0.0054

Inverse Universe

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



14.7415, 16.2269, 23.8279



24.1263, 26.7729, 42.3493



12.8092, 12.3623, 23.1838



4.6416, 4.9588, 5.9133



6.5679, 6.6836, 22.0806



0.0300, 0.0376, 0.0789

Previews

White Background



This preview shows how the XYZ color 16.8045, 16.5529, 12.6653 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 16.8045, 16.5529, 12.6653 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 16.8045, 16.5529, 12.6653

Background



This preview shows how black text looks on a background with the XYZ color 16.8045, 16.5529, 12.6653.



This preview shows how white text looks on a background with the XYZ color 16.8045, 16.5529,

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

16.8045, 16.5529, 12.6653

Protanopia

15.5784, 16.5584, 13.2015

Deuteranopia

16.8045, 16.5529, 12.6653



Tritanopia

17.8642, 16.5095, 18.1647

Trichromacy



Original Color

16.8045, 16.5529, 12.6653

Protanomaly

15.9829, 16.6074, 12.9528

Deuteranomaly

16.8045, 16.5529, 12.6653

Tritanomaly

17.3749, 16.4615, 15.8973

Monochromacy



Original Color

16.8045, 16.5529, 12.6653

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1414, 16.6220, 15.9933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8045, 16.5529, 12.6653 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(131, 109, 93)` looks like.

```
.text, #text, p{  
    color:rgb(131, 109, 93)  
}
```

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(131, 109, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 109, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.8045, 16.5529, 12.6653 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(131, 109, 93) }
```


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

```
.border{ border-color:rgb(131, 109, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 109, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 109, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 109, 93);  
box-shadow:4px 4px 4px 4px rgb(131, 109,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8045, 16.5529, 12.6653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 109, 93) }
```

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

```
.background{ background-color: rgb(131,  
109, 93) }
```

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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