

Converting Colors

XYZ(16.0161, 15.4061, 12.1003)

Have a look what the booklet for
XYZ(16.0161, 15.4061, 12.1003)
contains.

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Color

**XYZ(16.0446, 15.4018,
12.0247)**

Conversions

Conversions Part 1

Format	Color
Hex	82685B
RGB	130, 104, 91
RGB Percent	51%, 41%, 36%
CMY	0.4902, 0.5921, 0.6431
CMYK	0.00, 0.20, 0.30, 0.49
HSL	20°, 18%, 43%
HSV	20°, 30%, 51%
XYZ	16.0446, 15.4018, 12.0247
YIQ	110.2920, 19.6690, 1.4690

Conversions

Conversions Part 2

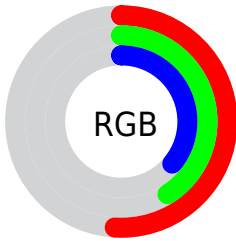
Format	Color
R_{YB}	130, 111, 91
Decimal	8546395
CIE Lab	46.18, 8.32, 11.25
CIE LCh	46, 13.992, 53.526
Yxy	15.4018, 0.3691, 0.3543
Android (android.graphics.Color)	4286736475 (0xFF82685B)
YUV	110.2920, -9.5110, 17.2839
Hunter-Lab	39.2451, 4.2972, 9.3051

Details

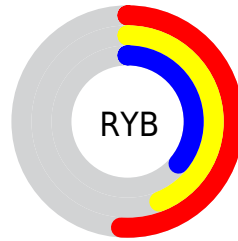
The XYZ color **16.0446, 15.4018, 12.0247** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.7048, 16.5580, 23.5402**, and the grayscale version is **14.9278, 15.7052, 17.1030**.

A 20% lighter version of the original color is **36.2962, 35.5561, 30.1493**, and **5.2450, 4.8212, 3.1368** is the 20% darker color. If you saturate the color by 10%, you get **14.7038, 13.5413, 9.0466**, and if you desaturate by 10%, it is **17.5730, 17.4819, 15.5451**.

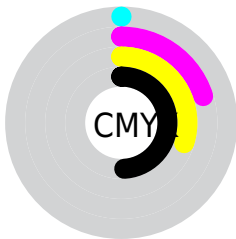
Distribution



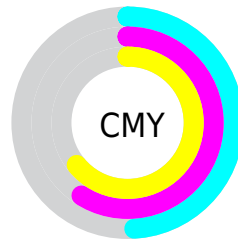
- Red (51%)
- Green (41%)
- Blue (36%)



- Red (51%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (20%)
- Yellow (30%)
- Black (49%)



- Cyan (49%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0446, 15.4018, 12.0247 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 16.0446, 15.4018, 12.0247 by changing the saturation by 10% instead.

■ 16.0446, 15.4018,
12.0247

■ 16.0446, 15.4018,
12.0247

222.8700,
225.7855, 215.5525

■ 9.6468, 9.1019,
6.6378

■ 36.2324, 35.5565,
30.2052

■ 5.2258, 4.8077,
3.1616

■ 50.7531, 50.1801,
43.8357

■ 2.4165, 2.1349,
1.1777

■ 68.7122, 68.3470,
61.0513

■ 0.8533, 0.6841,
0.0000

■ 90.4749, 90.4417,
82.2704

■ 0.0000, 0.0000,
0.0000

116.4067,
116.8485, 107.9115

146.8729,

147.9518, 138.3932

182.2389,
184.1360, 174.1340

■ 16.0446, 15.4018,
12.0247

■ 16.0446, 15.4018,
12.0247

■ 14.7038, 13.5413,
9.0466

■ 17.5730, 17.4819,
15.5451

■ 13.5418, 11.8909,
6.5826

■ 19.2951, 19.7865,
19.6321

■ 12.5507, 10.4434,
4.6032

■ 21.2180, 22.3231,
24.3099

■ 11.7213, 9.1906,
3.0757

■ 23.3484, 25.0979,
29.6007

■ 11.0439, 8.1233,
1.9632

■ 25.6923, 28.1171,
35.5259

■ 10.5070, 7.2317,
1.2229

■ 28.2557, 31.3868,
42.1056

■ 10.0824, 6.4987,
0.7230

■ 31.0442, 34.9125,
49.3591

■ 10.0824, 6.4986,
0.7230

■ 34.0633, 38.6998,
57.3049

■ 37.3183, 42.7540,
65.9607

Harmonies

Analogous

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



16.8433, 15.4018, 14.2832



16.0446, 15.4018, 12.0247



14.8990, 15.4018, 11.0552

Triad

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



16.0446, 15.4018, 12.0247



12.4770, 15.4018, 16.0404



15.5733, 15.4018, 23.5394

Complementary

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



16.0446, 15.4018, 12.0247



14.7048, 16.5580, 23.5402

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.



14.3820, 15.4018, 24.1768



16.0446, 15.4018, 12.0247



12.6358, 15.4018, 19.5298

Square

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



16.0446, 15.4018, 12.0247



12.8716, 15.4018, 13.1617



13.3179, 15.4018, 22.6234



16.5610, 15.4018, 20.9839

Rectangle

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



16.0446, 15.4018, 12.0247



14.1092, 15.4018, 11.1618



13.3179, 15.4018, 22.6234



15.1818, 15.4018, 23.9983

Sweetspot

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



16.0450, 15.4025, 12.0250



34.2363, 35.1858, 35.1904



16.1581, 13.5125, 18.5863



7.6589, 7.8442, 7.7479



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.



16.0450, 15.4025, 12.0250



26.6116, 24.8498, 17.5010



18.2396, 19.7916, 12.7565



4.4359, 4.5604, 4.5666



9.6732, 6.2428, 0.6951



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.7048, 16.5580, 23.5402



23.8508, 27.2196, 41.1893



12.6649, 12.4781, 22.8603



4.3294, 4.6528, 5.4832



7.1112, 8.0410, 21.4272



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0446, 15.4018, 12.0247 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 16.0446, 15.4018, 12.0247 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 16.0446, 15.4018, 12.0247

Background



This preview shows how black text looks on a background with the XYZ color 16.0446, 15.4018, 12.0247.



This preview shows how white text looks on a background with the XYZ color 16.0446, 15.4018,

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

16.0446, 15.4018, 12.0247

Protanopia

14.5593, 15.3903, 12.7929

Deuteranopia

15.6923, 15.3705, 12.0373



Tritanopia

16.9297, 15.3170, 16.5322

Trichromacy



Original Color

16.0446, 15.4018, 12.0247

Protanomaly

14.9792, 15.2988, 12.5194

Deuteranomaly

15.8420, 15.4477, 12.0443

Tritanomaly

16.5097, 15.2873, 14.6510

Monochromacy



Original Color

16.0446, 15.4018, 12.0247

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.1469, 15.4863, 15.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0446, 15.4018, 12.0247 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(130, 104, 91)` looks like.

```
.text, #text, p{  
    color:rgb(130, 104, 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(130, 104, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 104, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.0446, 15.4018, 12.0247 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(130, 104, 91) }
```


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

```
.border{ border-color:rgb(130, 104, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 104, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 104, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 104, 91);  
box-shadow:4px 4px 4px 4px rgb(130, 104,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0446, 15.4018, 12.0247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 104, 91) }
```

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

```
.background{ background-color: rgb(130,  
104, 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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