

Converting Colors

XYZ(16.8756, 18.1201, 3.6450)

Have a look what the booklet for
XYZ(16.8756, 18.1201, 3.6450)
contains.

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Color

**XYZ(16.8756, 18.1201,
3.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	89751B
RGB	137, 117, 27
RGB Percent	54%, 46%, 11%
CMY	0.4627, 0.5412, 0.8941
CMYK	0.00, 0.15, 0.80, 0.46
HSL	49°, 67%, 32%
HSV	49°, 80%, 54%
XYZ	16.8756, 18.1201, 3.6450
YIQ	112.7200, 40.8100, -23.7500

Conversions

Conversions Part 2

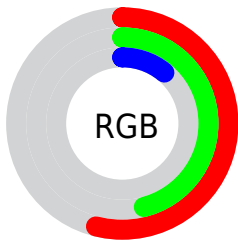
Format	Color
R_{YB}	51, 137, 27
Decimal	9008411
CIE Lab	49.64, -1.91, 48.72
CIE LCh	50, 48.755, 92.249
Yxy	18.1201, 0.4367, 0.4689
Android (android.graphics.Color)	4287198491 (0xFF89751B)
YUV	112.7200, -42.2600, 21.2936
Hunter-Lab	42.5677, -3.7287, 24.7205

Details

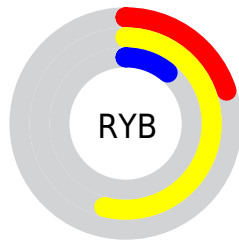
The XYZ color **16.8756, 18.1201, 3.6450** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.9838, 4.0721, 24.1372**, and the grayscale version is **15.7262, 16.5452, 18.0178**.

A 20% lighter version of the original color is **37.5916, 40.2779, 13.1903**, and **5.7843, 6.1411, 0.8805** is the 20% darker color. If you saturate the color by 10%, you get **16.4664, 17.4990, 2.9009**, and if you desaturate by 10%, it is **17.3673, 18.7880, 4.7819**.

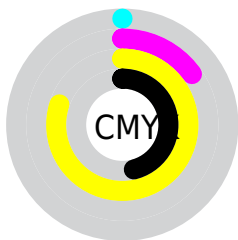
Distribution



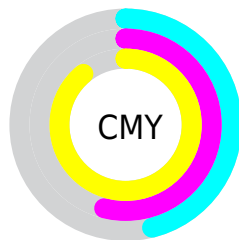
- Red (54%)
- Green (46%)
- Blue (11%)



- Red (20%)
- Yellow (54%)
- Blue (11%)



- Cyan (0%)
- Magenta (15%)
- Yellow (80%)
- Black (46%)



- Cyan (46%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8756, 18.1201, 3.6450 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 16.8756, 18.1201, 3.6450 by changing the saturation by 10% instead.

■ 16.8756, 18.1201,
3.6450

■ 16.8756, 18.1201,
3.6450

227.6247,
241.5471, 144.1938

■ 10.2406, 11.0362,
1.4327

■ 37.6571, 40.2419,
13.1824

■ 5.6223, 6.0912,
0.1670

■ 52.5342, 56.0486,
21.3445

■ 2.6552, 2.9006,
0.0000

■ 70.8895, 75.5317,
32.3270

■ 0.9742, 1.0801,
0.0000

■ 93.0882, 99.0756,
46.5484

■ 0.0000, 0.0000,
0.0000

■ 119.4957,
127.0647, 64.4273

■ 150.4774,

159.8834, 86.3821

186.3986,
197.9161, 112.8314

16.8756, 18.1201,
3.6450

16.8756, 18.1201,
3.6450

16.4664, 17.4990,
2.9009

17.3673, 18.7880,
4.7819

16.1211, 16.9277,
2.4177

17.9494, 19.5038,
6.3585

18.6303, 20.2716,
8.4163

19.4168, 21.0943,
10.9917

20.3153, 21.9746,
14.1175

■ 21.3316, 22.9148,
17.8240

■ 22.4710, 23.9171,
22.1391

■ 23.7386, 24.9836,
27.0890

■ 25.1390, 26.1164,
32.6981

Harmonies

Analogous

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



21.7097, 18.1201, 4.6740



16.8756, 18.1201, 3.6450



12.8953, 18.1201, 5.0676

Triad

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



16.8756, 18.1201, 3.6450



10.7369, 18.1201, 36.7026



26.3644, 18.1201, 34.1432

Complementary

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



16.8756, 18.1201, 3.6450



5.9838, 4.0721, 24.1372

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.



22.4235, 18.1201, 50.1054



16.8756, 18.1201, 3.6450



13.4007, 18.1201, 51.9910

Square

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



16.8756, 18.1201, 3.6450



9.7702, 18.1201, 20.7473



17.5743, 18.1201, 57.7492



27.7387, 18.1201, 18.7460

Rectangle

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



16.8756, 18.1201, 3.6450



11.0986, 18.1201, 7.8742



17.5743, 18.1201, 57.7492



25.2648, 18.1201, 39.8197

Sweetspot

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



16.8760, 18.1210, 3.6454



37.4035, 40.3095, 28.9752



11.2249, 6.3089, 3.3334



8.2642, 8.9248, 6.0438



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8760, 18.1210, 3.6454



29.0024, 30.5164, 4.5667



14.6419, 20.8048, 4.2811



5.3551, 5.6930, 5.3690



15.0249, 15.7841, 2.2547



0.1091, 0.1235, 0.0181

Inverse Universe

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



5.9838, 4.0721, 24.1372



8.8780, 4.6854, 42.8196



6.8836, 3.6090, 24.0004



4.8435, 5.0299, 6.3214



4.5348, 2.3400, 22.2583



0.0380, 0.0313, 0.1505

Previews

White Background



This preview shows how the XYZ color 16.8756, 18.1201, 3.6450 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 16.8756, 18.1201, 3.6450 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8756, 18.1201, 3.6450

Background



This preview shows how black text looks on a background with the XYZ color 16.8756, 18.1201, 3.6450.



This preview shows how white text looks on a background with the XYZ color 16.8756, 18.1201,

3.6450.

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

16.8756, 18.1201, 3.6450

Protanopia

16.4675, 18.2593, 3.6934

Deuteranopia

18.4104, 18.0666, 3.6793



Tritanopia

20.0072, 18.0613, 19.2613

Trichromacy



Original Color

16.8756, 18.1201, 3.6450

Protanomaly

16.5078, 18.1043, 3.6613

Deuteranomaly

17.9040, 18.1382, 3.6560

Tritanomaly

18.3789, 17.8912, 10.8722

Monochromacy



Original Color

16.8756, 18.1201, 3.6450

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5663, 16.7814, 10.4013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8756, 18.1201, 3.6450 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(137, 117, 27)` looks like.

```
.text, #text, p{  
    color:rgb(137, 117, 27)  
}
```

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(137, 117, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 117, 27) }
```

Border

The CSS property to change the border of an element to XYZ 16.8756, 18.1201, 3.6450 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(137, 117, 27) }
```


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

```
.border{ border-color:rgb(137, 117, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 117, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 117, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 117, 27);  
box-shadow:4px 4px 4px 4px rgb(137, 117,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8756, 18.1201, 3.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 117, 27) }
```

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

```
.background{ background-color: rgb(137,  
117, 27) }
```

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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