

Converting Colors

XYZ(15.3784, 16.5483, 5.3192)

Have a look what the booklet for
XYZ(15.3784, 16.5483, 5.3192)
contains.

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Color

**XYZ(15.3616, 16.6212,
5.3043)**

Conversions

Conversions Part 1

Format	Color
Hex	807131
RGB	128, 113, 49
RGB Percent	50%, 44%, 19%
CMY	0.4980, 0.5568, 0.8078
CMYK	0.00, 0.12, 0.62, 0.50
HSL	49°, 45%, 35%
HSV	49°, 62%, 50%
XYZ	15.3616, 16.6212, 5.3043
YIQ	110.1890, 29.4840, -16.7240

Conversions

Conversions Part 2

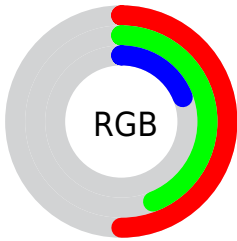
Format	Color
R_{YB}	68, 128, 49
Decimal	8417585
CIE _{Lab}	47.78, -2.55, 36.92
CIE _{LCh}	48, 37.008, 93.958
Yxy	16.6212, 0.4120, 0.4458
Android (android.graphics.Color)	4286607665 (0xFF807131)
YUV	110.1890, -30.1662, 15.6202
Hunter-Lab	40.7691, -4.0880, 20.8244

Details

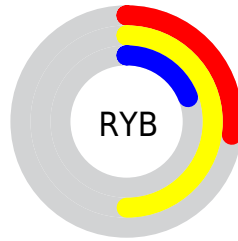
The XYZ color **15.3616, 16.6212, 5.3043** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.9963, 5.8781, 21.1878**, and the grayscale version is **14.9537, 15.7325, 17.1327**.

A 20% lighter version of the original color is **35.1882, 37.8594, 17.0083**, and **4.8708, 5.3171, 0.7696** is the 20% darker color. If you saturate the color by 10%, you get **14.8616, 15.9939, 3.9891**, and if you desaturate by 10%, it is **15.9464, 17.2953, 7.0268**.

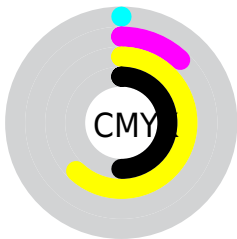
Distribution



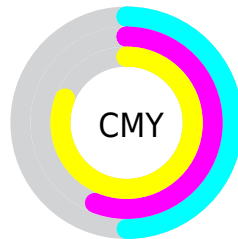
- Red (50%)
- Green (44%)
- Blue (19%)



- Red (27%)
- Yellow (50%)
- Blue (19%)



- Cyan (0%)
- Magenta (12%)
- Yellow (62%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3616, 16.6212, 5.3043 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 15.3616, 16.6212, 5.3043 by changing the saturation by 10% instead.

■ 15.3616, 16.6212,
5.3043

■ 15.3616, 16.6212,
5.3043

218.8898,
232.9799, 161.7753

■ 9.1615, 9.9648,
2.3650

■ 35.0528, 37.6733,
16.9209

■ 4.9046, 5.3756,
0.7673

■ 49.2746, 52.8378,
26.4353

■ 2.2256, 2.4693,
0.0000

■ 66.9010, 71.6072,
38.9785

■ 0.7562, 0.8612,
0.0000

■ 88.2974, 94.3657,
54.9690

■ 0.0000, 0.0000,
0.0000

■ 113.8291,
121.4979, 74.8254

■ 143.8615,

153.3880, 98.9662

178.7600,
190.4206, 127.8100

■ 15.3616, 16.6212,
5.3043

■ 15.3616, 16.6212,
5.3043

■ 14.8616, 15.9939,
3.9891

■ 15.9464, 17.2953,
7.0268

■ 14.4385, 15.4082,
3.0450

■ 16.6208, 18.0164,
9.1869

■ 14.0848, 14.8617,
2.4309

■ 17.3906, 18.7874,
11.8129

■ 13.8224, 14.4298,
2.0567

■ 18.2607, 19.6104,
14.9306

■ 19.2357, 20.4874,
18.5639

■ 20.3200, 21.4201,
22.7352

■ 21.5175, 22.4102,
27.4653

■ 22.8320, 23.4593,
32.7742

■ 24.2672, 24.5691,
38.6808

Harmonies

Analogous

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



18.7678, 16.6212, 6.1444



15.3616, 16.6212, 5.3043



12.4954, 16.6212, 6.7790

Triad

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



15.3616, 16.6212, 5.3043



11.0749, 16.6212, 30.3433



22.2516, 16.6212, 27.3632

Complementary

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



15.3616, 16.6212, 5.3043



6.9963, 5.8781, 21.1878

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.



19.6365, 16.6212, 37.8777



15.3616, 16.6212, 5.3043



13.1592, 16.6212, 39.9793

Square

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



15.3616, 16.6212, 5.3043



10.2496, 16.6212, 19.3886



16.2425, 16.6212, 43.1313



23.0559, 16.6212, 16.8654

Rectangle

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



15.3616, 16.6212, 5.3043



11.1802, 16.6212, 9.3351



16.2425, 16.6212, 43.1313



21.5388, 16.6212, 31.1178

Sweetspot

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



15.3620, 16.6220, 5.3046



32.5259, 34.8710, 27.6650



10.9488, 7.1653, 5.7769



7.5215, 8.0783, 6.1329



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.



15.3620, 16.6220, 5.3046



25.8538, 27.7402, 6.2864



14.0174, 18.6211, 5.7614



4.5982, 4.8850, 4.6207



13.7069, 14.3101, 2.0397



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9963, 5.8781, 21.1878



9.8307, 7.2005, 36.8280



7.7197, 5.1601, 21.0111



4.1698, 4.3337, 5.4300



4.1943, 2.2071, 20.4549



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3616, 16.6212, 5.3043 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 15.3616, 16.6212, 5.3043 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 15.3616, 16.6212, 5.3043

Background



This preview shows how black text looks on a background with the XYZ color 15.3616, 16.6212, 5.3043.



This preview shows how white text looks on a background with the XYZ color 15.3616, 16.6212,

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

15.3616, 16.6212, 5.3043

Protanopia

15.1759, 16.6920, 5.3278

Deuteranopia

16.9228, 16.6181, 5.3333



Tritanopia

18.0228, 16.5913, 18.1721

Trichromacy



Original Color

15.3616, 16.6212, 5.3043

Protanomaly

15.3241, 16.7684, 5.3347

Deuteranomaly

16.3050, 16.6164, 5.3655

Tritanomaly

16.8298, 16.5810, 11.9863

Monochromacy



Original Color

15.3616, 16.6212, 5.3043

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7820, 15.8554, 11.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3616, 16.6212, 5.3043 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(128, 113, 49)` looks like.

```
.text, #text, p{  
    color:rgb(128, 113, 49)  
}
```

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(128, 113, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 113, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.3616, 16.6212, 5.3043 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(128, 113, 49) }
```


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

```
.border{ border-color:rgb(128, 113, 49) }
```

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

Here you see how a box with a 4 pixel rgb(128, 113, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 113, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 113, 49);  
box-shadow:4px 4px 4px 4px rgb(128, 113,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3616, 16.6212, 5.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 113, 49) }
```

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

```
.background{ background-color: rgb(128,  
113, 49) }
```

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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