

Converting Colors

XYZ(15.0274, 15.9417, 3.3450)

Have a look what the booklet for
XYZ(15.0274, 15.9417, 3.3450)
contains.

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Color

**XYZ(15.1338, 16.0563,
3.3384)**

Conversions

Conversions Part 1

Format	Color
Hex	836E1B
RGB	131, 110, 27
RGB Percent	51%, 43%, 11%
CMY	0.4863, 0.5686, 0.8941
CMYK	0.00, 0.16, 0.79, 0.49
HSL	48°, 66%, 31%
HSV	48°, 79%, 51%
XYZ	15.1338, 16.0563, 3.3384
YIQ	106.8170, 39.1590, -21.3610

Conversions

Conversions Part 2

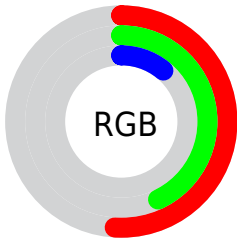
Format	Color
RYB	53, 131, 27
Decimal	8613403
CIELab	47.05, -0.76, 46.11
CIELCh	47, 46.113, 90.941
Yxy	16.0563, 0.4383, 0.4650
Android (android.graphics.Color)	4286803483 (0xFF836E1B)
YUV	106.8170, -39.3498, 21.2085
Hunter-Lab	40.0703, -2.7070, 23.1096

Details

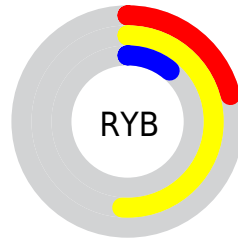
The XYZ color **15.1338, 16.0563, 3.3384** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.6056, 3.9854, 21.9463**, and the grayscale version is **14.0227, 14.7530, 16.0660**.

A 20% lighter version of the original color is **34.6135, 36.6046, 12.4488**, and **4.9194, 5.1747, 0.7395** is the 20% darker color. If you saturate the color by 10%, you get **14.7338, 15.4471, 2.6170**, and if you desaturate by 10%, it is **15.6107, 16.7111, 4.4194**.

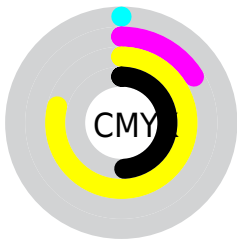
Distribution



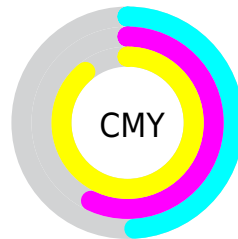
- Red (51%)
- Green (43%)
- Blue (11%)



- Red (21%)
- Yellow (51%)
- Blue (11%)



- Cyan (0%)
- Magenta (16%)
- Yellow (79%)
- Black (49%)



- Cyan (49%)
- Magenta (57%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1338, 16.0563, 3.3384 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 15.1338, 16.0563, 3.3384 by changing the saturation by 10% instead.

■ 15.1338, 16.0563,
3.3384

■ 15.1338, 16.0563,
3.3384

217.5470,
229.6737, 140.5604

■ 9.0003, 9.5640,
1.2699

■ 34.6575, 36.6959,
12.4526

■ 4.7985, 5.1108,
0.0369

■ 48.7783, 51.6120,
20.3355

■ 2.1630, 2.3124,
0.0000

■ 66.2923, 70.1049,
30.9935

■ 0.7232, 0.7803,
0.0000

■ 87.5648, 92.5588,
44.8452

■ 0.0000, 0.0000,
0.0000

■ 112.9612,
119.3583, 62.3093

■ 142.8468,

150.8876, 83.8041

177.5869,
187.5313, 109.7483

15.1338, 16.0563,
3.3384

15.1338, 16.0563,
3.3384

14.7338, 15.4471,
2.6170

15.6107, 16.7111,
4.4194

14.3869, 14.8721,
2.1354

16.1715, 17.4126,
5.9012

14.3661, 14.8375,
2.1067

16.8234, 18.1644,
7.8205

17.5727, 18.9691,
10.2093

18.4249, 19.8291,
13.0969

■ 19.3853, 20.7466,
16.5101

■ 20.4586, 21.7235,
20.4738

■ 21.6492, 22.7617,
25.0111

■ 22.9615, 23.8631,
30.1442

Harmonies

Analogous

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



19.3538, 16.0563, 4.3547



15.1338, 16.0563, 3.3384



11.6051, 16.0563, 4.5010

Triad

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



15.1338, 16.0563, 3.3384



9.5206, 16.0563, 31.5982



23.1087, 16.0563, 30.6684

Complementary

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



15.1338, 16.0563, 3.3384



5.6056, 3.9854, 21.9463

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.



19.6139, 16.0563, 44.3502



15.1338, 16.0563, 3.3384



11.7902, 16.0563, 45.0333

Square

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



15.1338, 16.0563, 3.3384



8.7368, 16.0563, 17.8505



15.3890, 16.0563, 50.4976



24.4209, 16.0563, 17.1197

Rectangle

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



15.1338, 16.0563, 3.3384



9.9886, 16.0563, 6.8768



15.3890, 16.0563, 50.4976



22.1230, 16.0563, 35.5831

Sweetspot

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



15.1342, 16.0571, 3.3387



33.8022, 36.2913, 26.2883



10.3177, 5.8355, 3.5478



7.7489, 8.3328, 5.6939



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.



15.1342, 16.0571, 3.3387



25.9091, 26.8605, 4.0643



13.7408, 19.1091, 4.0013



4.9620, 5.2676, 4.9846



14.1433, 14.6092, 2.0744



0.0540, 0.0606, 0.0089

Inverse Universe

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



5.6056, 3.9854, 21.9463



8.2470, 4.5971, 38.9058



6.1458, 3.2770, 21.7811



4.5050, 4.6857, 5.8677



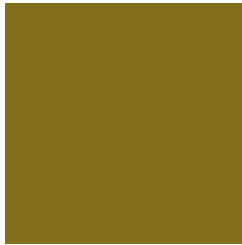
4.4077, 2.3632, 21.3605



0.0196, 0.0168, 0.0754

Previews

White Background



This preview shows how the XYZ color 15.1338, 16.0563, 3.3384 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 15.1338, 16.0563, 3.3384 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 15.1338, 16.0563, 3.3384

Background



This preview shows how black text looks on a background with the XYZ color 15.1338, 16.0563, 3.3384.



This preview shows how white text looks on a background with the XYZ color 15.1338, 16.0563,

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

15.1338, 16.0563, 3.3384

Protanopia

14.6080, 16.1078, 3.4378

Deuteranopia

16.1910, 15.9722, 3.3920



Tritanopia

17.9812, 16.1446, 16.9204

Trichromacy



Original Color

15.1338, 16.0563, 3.3384

Protanomaly

14.7961, 16.0419, 3.4152

Deuteranomaly

15.7838, 15.9176, 3.3391

Tritanomaly

16.5937, 16.0382, 9.8105

Monochromacy



Original Color

15.1338, 16.0563, 3.3384

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.9402, 14.9882, 9.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1338, 16.0563, 3.3384 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, 110, 27)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 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(131, 110, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 27) }
```

Border

The CSS property to change the border of an element to XYZ 15.1338, 16.0563, 3.3384 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, 110, 27) }
```


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

```
.border{ border-color:rgb(131, 110, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 27);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1338, 16.0563, 3.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 27) }
```

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

```
.background{ background-color: rgb(131,  
110, 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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