

Converting Colors

XYZ(15.1659, 16.7817, 3.7142)

Have a look what the booklet for
XYZ(15.1659, 16.7817, 3.7142)
contains.

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Color

**XYZ(15.1667, 16.7228,
3.7248)**

Conversions

Conversions Part 1

Format	Color
Hex	80721F
RGB	128, 114, 31
RGB Percent	50%, 45%, 12%
CMY	0.4980, 0.5529, 0.8784
CMYK	0.00, 0.11, 0.76, 0.50
HSL	51°, 61%, 31%
HSV	51°, 76%, 50%
XYZ	15.1667, 16.7228, 3.7248
YIQ	108.7240, 34.9870, -22.8450

Conversions

Conversions Part 2

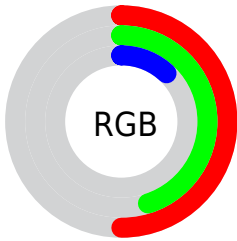
Format	Color
R_{YB}	47, 128, 31
Decimal	8417823
CIE _{Lab}	47.91, -4.27, 45.26
CIE _{LCh}	48, 45.464, 95.390
Yxy	16.7228, 0.4259, 0.4696
Android (android.graphics.Color)	4286607903 (0xFF80721F)
YUV	108.7240, -38.3179, 16.9051
Hunter-Lab	40.8935, -5.3611, 23.2250

Details

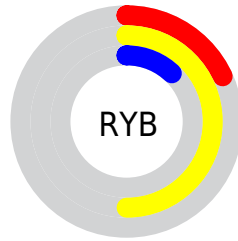
The XYZ color **15.1667, 16.7228, 3.7248** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.3997, 3.7265, 20.8565**, and the grayscale version is **14.5562, 15.3142, 16.6772**.

A 20% lighter version of the original color is **34.9264, 38.0720, 13.4905**, and **4.9287, 5.4329, 0.7889** is the 20% darker color. If you saturate the color by 10%, you get **14.8243, 16.2565, 2.9375**, and if you desaturate by 10%, it is **15.5811, 17.2259, 4.8672**.

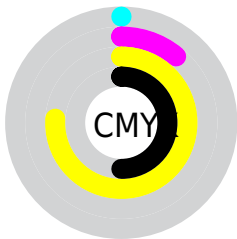
Distribution



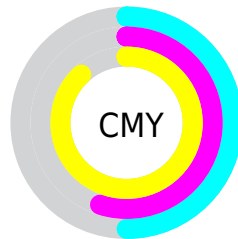
- Red (50%)
- Green (45%)
- Blue (12%)



- Red (18%)
- Yellow (50%)
- Blue (12%)



- Cyan (0%)
- Magenta (11%)
- Yellow (76%)
- Black (50%)



- Cyan (50%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1667, 16.7228, 3.7248 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 15.1667, 16.7228, 3.7248 by changing the saturation by 10% instead.

■ 15.1667, 16.7228,
3.7248

■ 15.1667, 16.7228,
3.7248

217.7414,
233.5699, 145.1156

■ 9.0235, 10.0371,
1.4756

■ 34.7146, 37.8486,
13.3699

■ 4.8138, 5.4235,
0.1997

■ 48.8501, 53.0574,
21.6029

■ 2.1720, 2.4978,
0.0000

■ 66.3804, 71.8760,
32.6677

■ 0.7279, 0.8756,
0.0000

■ 87.6708, 94.6888,
46.9826

■ 0.0000, 0.0000,
0.0000

■ 113.0868,
121.8802, 64.9663

■ 142.9936,

153.8345, 87.0374

177.7567,
190.9363, 113.6143

15.1667, 16.7228,
3.7248

15.1667, 16.7228,
3.7248

14.8243, 16.2565,
2.9375

15.5811, 17.2259,
4.8672

14.5410, 15.8199,
2.4423

16.0735, 17.7664,
6.4013

14.4274, 15.6400,
2.2584

16.6505, 18.3475,
8.3599

17.3177, 18.9715,
10.7723

18.0802, 19.6405,
13.6652

■ 18.9426, 20.3564,
17.0632

■ 19.9094, 21.1210,
20.9891

■ 20.9846, 21.9360,
25.4645

■ 22.1721, 22.8030,
30.5096

Harmonies

Analogous

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



19.4022, 16.7228, 4.4427



15.1667, 16.7228, 3.7248



11.7586, 16.7228, 5.3217

Triad

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



15.1667, 16.7228, 3.7248



10.3033, 16.7228, 34.6286



24.1767, 16.7228, 29.2993

Complementary

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



15.1667, 16.7228, 3.7248



5.3997, 3.7265, 20.8565

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.



20.9017, 16.7228, 43.4557



15.1667, 16.7228, 3.7248



12.8373, 16.7228, 47.3472

Square

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



15.1667, 16.7228, 3.7248



9.2764, 16.7228, 20.4085



16.6453, 16.7228, 51.1265



25.0874, 16.7228, 16.1722

Rectangle

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



15.1667, 16.7228, 3.7248



10.2574, 16.7228, 8.1724



16.6453, 16.7228, 51.1265



23.2913, 16.7228, 34.2443

Sweetspot

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



15.1671, 16.7236, 3.7251



32.1594, 34.8569, 25.3268



9.8764, 5.7630, 3.1306



7.4248, 8.0721, 5.5237



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.



15.1671, 16.7236, 3.7251



25.7304, 28.0568, 4.5082



12.5877, 17.9194, 4.0919



4.6142, 4.9170, 4.6260



14.3067, 15.5099, 2.2397



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.3997, 3.7265, 20.8565



7.7073, 4.1482, 36.3507



6.5631, 3.6608, 20.7825



4.1551, 4.3042, 5.4251



4.0862, 1.9910, 20.4189



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.1667, 16.7228, 3.7248 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 15.1667, 16.7228, 3.7248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

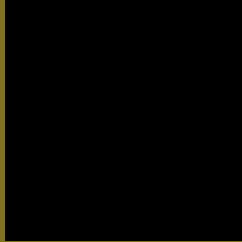
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1667, 16.7228, 3.7248

Background



This preview shows how black text looks on a background with the XYZ color 15.1667, 16.7228, 3.7248.



This preview shows how white text looks on a background with the XYZ color 15.1667, 16.7228,

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

15.1667, 16.7228, 3.7248

Protanopia

15.1667, 16.7228, 3.7248

Deuteranopia

16.9790, 16.6803, 3.8381



Tritanopia

18.0801, 16.6142, 18.4736

Trichromacy



Original Color

15.1667, 16.7228, 3.7248

Protanomaly

15.1667, 16.7228, 3.7248

Deuteranomaly

16.3317, 16.6649, 3.7947

Tritanomaly

16.5846, 16.4829, 10.6949

Monochromacy



Original Color

15.1667, 16.7228, 3.7248

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3721, 15.6760, 10.0529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1667, 16.7228, 3.7248 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, 114, 31)` looks like.

```
.text, #text, p{  
    color:rgb(128, 114, 31)  
}
```

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, 114, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 114, 31) }
```

Border

The CSS property to change the border of an element to XYZ 15.1667, 16.7228, 3.7248 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, 114, 31) }
```


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

```
.border{ border-color:rgb(128, 114, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 114, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 114, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 114, 31);  
box-shadow:4px 4px 4px 4px rgb(128, 114,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1667, 16.7228, 3.7248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 114, 31) }
```

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

```
.background{ background-color: rgb(128,  
114, 31) }
```

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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