

Converting Colors

XYZ(12.7474, 17.1083, 3.6580)

Have a look what the booklet for
XYZ(12.7474, 17.1083, 3.6580)
contains.

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Color

**XYZ(12.7603, 17.0698,
3.6592)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 667B1B |
| RGB | 102, 123, 27 |
| RGB Percent | 40%, 48%, 11% |
| CMY | 0.6000, 0.5176, 0.8941 |
| CMYK | 0.17, 0.00, 0.78, 0.52 |
| HSL | 73°, 64%, 29% |
| HSV | 73°, 78%, 48% |
| XYZ | 12.7603, 17.0698, 3.6592 |
| YIQ | 105.7770, 18.3000, -34.3080 |

Conversions

Conversions Part 2

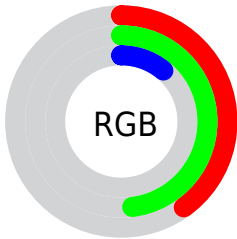
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 27, 123, 48 |
| Decimal | 6716187 |
| CIE Lab | 48.35, -21.34, 46.40 |
| CIE LCh | 48, 51.075, 114.696 |
| Yxy | 17.0698, 0.3810, 0.5097 |
| Android (android.graphics.Color) | 4284906267 (0xFF667B1B) |
| YUV | 105.7770, -38.8371, -3.3124 |
| Hunter-Lab | 41.3156, -17.1727, 23.6698 |

Details

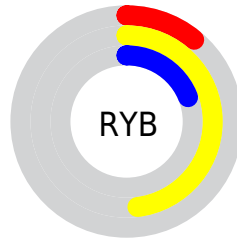
The XYZ color **12.7603, 17.0698, 3.6592** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.1866, 2.8427, 19.0152**, and the grayscale version is **13.7384, 14.4539, 15.7403**.

A 20% lighter version of the original color is **30.4516, 38.2924, 13.1833**, and **3.8650, 5.6276, 0.8825** is the 20% darker color. If you saturate the color by 10%, you get **12.3469, 16.8704, 3.0465**, and if you desaturate by 10%, it is **13.2441, 17.2997, 4.5872**.

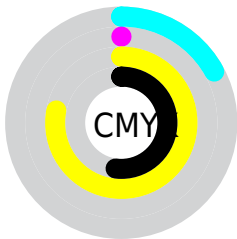
Distribution



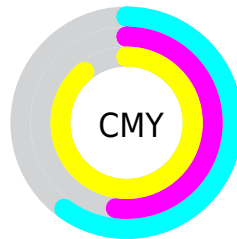
- Red (40%)
- Green (48%)
- Blue (11%)



- Red (11%)
- Yellow (48%)
- Blue (19%)



- Cyan (17%)
- Magenta (0%)
- Yellow (78%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7603, 17.0698, 3.6592 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 12.7603, 17.0698, 3.6592 by changing the saturation by 10% instead.

■ 12.7603, 17.0698,
3.6592

■ 12.7603, 17.0698,
3.6592

203.0445,
235.5743, 144.3585

■ 7.3396, 10.2843,
1.4403

■ 30.4775, 38.4457,
13.2158

■ 3.7236, 5.5878,
0.1729

■ 43.5046, 53.8050,
21.3906

■ 1.5470, 2.5961,
0.0000

■ 59.7979, 72.7908,
32.3878

■ 0.3575, 0.9247,
0.0000

■ 79.7227, 95.7878,
46.6260

■ 0.0000, 0.0000,
0.0000

■ 103.6445,
123.1802, 64.5235

■ 131.9284,

155.3525, 86.4991

164.9400,
192.6891, 112.9713

12.7603, 17.0698,
3.6592

12.7603, 17.0698,
3.6592

12.3469, 16.8704,
3.0465

13.2441, 17.2997,
4.5872

11.9856, 16.6923,
2.6593

13.8038, 17.5606,
5.8643

11.9169, 16.6584,
2.5873

14.4456, 17.8554,
7.5214

15.1748, 18.1864,
9.5855

15.9961, 18.5554,
12.0812

■ 16.9139, 18.9642,
15.0312

■ 17.9324, 19.4145,
18.4564

■ 19.0553, 19.9078,
22.3768

■ 20.2862, 20.4455,
26.8108

Harmonies

Analogous

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



17.0670, 17.0698, 2.9529



12.7603, 17.0698, 3.6592



9.9539, 17.0698, 7.3484

Triad

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



12.7603, 17.0698, 3.6592



11.5763, 17.0698, 48.3906



26.8852, 17.0698, 21.0613

Complementary

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



12.7603, 17.0698, 3.6592



5.1866, 2.8427, 19.0152

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.



24.6932, 17.0698, 37.7172



12.7603, 17.0698, 3.6592



15.4099, 17.0698, 57.6515

Square

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



12.7603, 17.0698, 3.6592



9.3676, 17.0698, 31.5059



20.2646, 17.0698, 53.0215



25.8058, 17.0698, 9.7920

Rectangle

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



12.7603, 17.0698, 3.6592



9.0239, 17.0698, 12.6010



20.2646, 17.0698, 53.0215



26.4958, 17.0698, 26.2176

Sweetspot

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



12.7607, 17.0706, 3.6596



29.3581, 33.5454, 23.8972



9.4156, 6.3882, 1.7740



6.7987, 7.8489, 5.2607



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.7607, 17.0706, 3.6596



21.5803, 29.9478, 4.9199



8.8135, 15.0357, 3.4748



4.2260, 4.5918, 4.2881



12.3226, 17.2298, 2.6762



58.0351, 81.8036, 12.7309

Inverse Universe

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



5.1866, 2.8427, 19.0152



7.4896, 3.2768, 33.7943



8.7706, 4.6903, 19.1829



3.8721, 3.9319, 4.9980



4.1594, 1.7170, 19.4975



19.2304, 7.8756, 92.9764

Previews

White Background



This preview shows how the XYZ color 12.7603, 17.0698, 3.6592 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 12.7603, 17.0698, 3.6592 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 12.7603, 17.0698, 3.6592

Background



This preview shows how black text looks on a background with the XYZ color 12.7603, 17.0698, 3.6592.



This preview shows how white text looks on a background with the XYZ color 12.7603, 17.0698,

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

12.7603, 17.0698, 3.6592

Protanopia

15.3595, 16.9988, 3.3913

Deuteranopia

17.2590, 16.9821, 3.8816



Tritanopia

16.4509, 17.1614, 21.5142

Trichromacy



Original Color

12.7603, 17.0698, 3.6592

Protanomaly

14.2726, 16.9534, 3.4974

Deuteranomaly

15.3179, 16.8007, 3.7318

Tritanomaly

14.4659, 16.8663, 11.9443

Monochromacy



Original Color

12.7603, 17.0698, 3.6592

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9594, 15.1274, 9.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7603, 17.0698, 3.6592 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(102, 123, 27)` looks like.

```
.text, #text, p{  
    color:rgb(102, 123, 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(102, 123, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 123, 27) }
```

Border

The CSS property to change the border of an element to XYZ 12.7603, 17.0698, 3.6592 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(102, 123, 27) }
```


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

```
.border{ border-color:rgb(102, 123, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 123, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 123, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 123, 27);  
box-shadow:4px 4px 4px 4px rgb(102, 123,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7603, 17.0698, 3.6592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 123, 27) }
```

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

```
.background{ background-color: rgb(102,  
123, 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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