

Converting Colors

XYZ(12.7657, 16.4353, 5.7356)

Have a look what the booklet for
XYZ(12.7657, 16.4353, 5.7356)
contains.

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Color

**XYZ(12.8158, 16.5057,
5.7593)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 667834 |
| RGB | 102, 120, 52 |
| RGB Percent | 40%, 47%, 20% |
| CMY | 0.6000, 0.5294, 0.7961 |
| CMYK | 0.15, 0.00, 0.57, 0.53 |
| HSL | 76°, 40%, 34% |
| HSV | 76°, 57%, 47% |
| XYZ | 12.8158, 16.5057, 5.7593 |
| YIQ | 106.8660, 11.1000, -24.9640 |

Conversions

Conversions Part 2

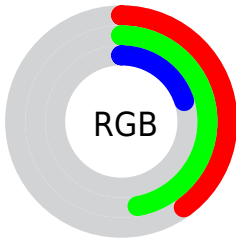
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 52, 120, 70 |
| Decimal | 6715444 |
| CIELab | 47.63, -17.88, 34.63 |
| CIElCh | 48, 38.976, 117.305 |
| Yxy | 16.5057, 0.3653, 0.4705 |
| Android (android.graphics.Color) | 4284905524 (0xFF667834) |
| YUV | 106.8660, -27.0489, -4.2675 |
| Hunter-Lab | 40.6272, -14.7900, 20.0341 |

Details

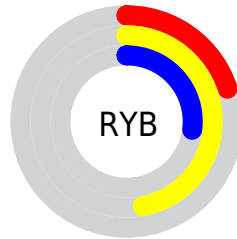
The XYZ color **12.8158, 16.5057, 5.7593** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1447, 5.1146, 18.3810**, and the grayscale version is **14.0088, 14.7383, 16.0501**.

A 20% lighter version of the original color is **30.6191, 37.4132, 17.9196**, and **3.7379, 5.2699, 0.9063** is the 20% darker color. If you saturate the color by 10%, you get **12.2261, 16.2296, 4.4959**, and if you desaturate by 10%, it is **13.4888, 16.8179, 7.3861**.

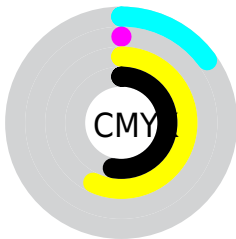
Distribution



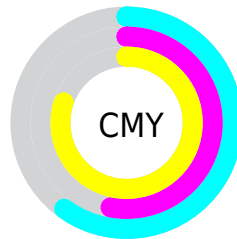
- Red (40%)
- Green (47%)
- Blue (20%)



- Red (20%)
- Yellow (47%)
- Blue (27%)



- Cyan (15%)
- Magenta (0%)
- Yellow (57%)
- Black (53%)





- Cyan (60%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8158, 16.5057, 5.7593 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 12.8158, 16.5057, 5.7593 by changing the saturation by 10% instead.


 12.8158, 16.5057,
5.7593


 12.8158, 16.5057,
5.7593

203.3953,
232.3075, 166.1341


 7.3780, 9.8827,
2.6329


 30.5766, 37.4739,
17.8982


 3.7480, 5.3213,
0.9093

 43.6303, 52.5879,
27.7477

 1.5606, 2.4370,
0.0000

 59.9532, 71.3011,
40.6753

 0.3665, 0.8448,
0.0000

 79.9109, 93.9977,
57.0996

 0.0000, 0.0000,
0.0000

 103.8686,
121.0623, 77.4391

 132.1916,

152.8792, 102.1123

165.2454,
189.8328, 131.5378

■ 12.8158, 16.5057,
5.7593

■ 12.8158, 16.5057,
5.7593

■ 12.2261, 16.2296,
4.4959

■ 13.4888, 16.8179,
7.3861

■ 11.7131, 15.9852,
3.5668

■ 14.2489, 17.1660,
9.4004

■ 11.2710, 15.7706,
2.9403

■ 15.1010, 17.5524,
11.8253

■ 10.8866, 15.5808,
2.5485

■ 16.0492, 17.9790,
14.6819

■ 10.7633, 15.5198,
2.4283

■ 17.0974, 18.4472,
17.9899

■ 18.2491, 18.9585,
21.7677

■ 19.5080, 19.5144,
26.0327

■ 20.8772, 20.1161,
30.8014

■ 22.3598, 20.7649,
36.0896

Harmonies

Analogous

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



16.0048, 16.5057, 4.8254



12.8158, 16.5057, 5.7593



10.7060, 16.5057, 9.4838

Triad

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



12.8158, 16.5057, 5.7593



12.3457, 16.5057, 39.3910



23.3621, 16.5057, 18.8877

Complementary

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



12.8158, 16.5057, 5.7593



7.1447, 5.1146, 18.3810

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.



22.0166, 16.5057, 30.4311



12.8158, 16.5057, 5.7593



15.3758, 16.5057, 44.6981

Square

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



12.8158, 16.5057, 5.7593



10.4641, 16.5057, 28.2682



18.9605, 16.5057, 40.9304



22.4131, 16.5057, 10.5395

Rectangle

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



12.8158, 16.5057, 5.7593



10.0262, 16.5057, 14.0826



18.9605, 16.5057, 40.9304



23.1591, 16.5057, 22.5185

Sweetspot

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



12.8162, 16.5064, 5.7596



28.0949, 31.5612, 25.4172



10.4943, 8.4978, 4.3362



6.5946, 7.4511, 5.8285



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8162, 16.5064, 5.7596



21.2179, 28.4086, 7.3574



9.7912, 14.9470, 5.6181



4.2091, 4.5831, 4.2873



11.7278, 16.9231, 2.6484



55.1076, 80.2944, 12.5939

Inverse Universe

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



7.1447, 5.1146, 18.3810



10.2177, 6.2576, 31.9224



10.2123, 6.6961, 18.5246



3.8880, 3.9401, 4.9988



4.3283, 1.8041, 19.5054



19.9457, 8.2444, 93.0099

Previews

White Background



This preview shows how the XYZ color 12.8158, 16.5057, 5.7593 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 12.8158, 16.5057, 5.7593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

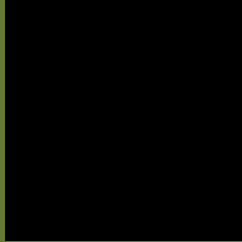
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8158, 16.5057, 5.7593

Background



This preview shows how black text looks on a background with the XYZ color 12.8158, 16.5057, 5.7593.



This preview shows how white text looks on a background with the XYZ color 12.8158, 16.5057,

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

12.8158, 16.5057, 5.7593

Protanopia

14.9383, 16.4005, 5.3959

Deuteranopia

16.5947, 16.2802, 5.8822



Tritanopia

15.8484, 16.5304, 20.7677

Trichromacy



Original Color

12.8158, 16.5057, 5.7593

Protanomaly

14.1791, 16.5117, 5.5717

Deuteranomaly

15.0642, 16.2903, 5.8404

Tritanomaly

14.4665, 16.4796, 13.7277

Monochromacy



Original Color

12.8158, 16.5057, 5.7593

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3402, 15.2797, 11.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8158, 16.5057, 5.7593 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, 120, 52)` looks like.

```
.text, #text, p{  
    color:rgb(102, 120, 52)  
}
```

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, 120, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 52) }
```

Border

The CSS property to change the border of an element to XYZ 12.8158, 16.5057, 5.7593 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, 120, 52) }
```


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

```
.border{ border-color:rgb(102, 120, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 120, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 120, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 120, 52);  
box-shadow:4px 4px 4px 4px rgb(102, 120,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8158, 16.5057, 5.7593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 52) }
```

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

```
.background{ background-color: rgb(102,  
120, 52) }
```

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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