

Converting Colors

XYZ(12.6230, 12.6199, 13.1096)

Have a look what the booklet for
XYZ(12.6230, 12.6199, 13.1096)
contains.

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Color

**XYZ(12.6167, 12.6006,
13.0764)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6161
RGB	108, 97, 97
RGB Percent	42%, 38%, 38%
CMY	0.5765, 0.6196, 0.6196
CMYK	0.00, 0.10, 0.10, 0.58
HSL	0°, 5%, 40%
HSV	0°, 10%, 42%
XYZ	12.6167, 12.6006, 13.0764
YIQ	100.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

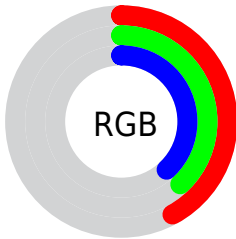
Format	Color
R_{YB}	108, 97, 97
Decimal	7102817
CIE _{Lab}	42.16, 4.39, 1.59
CIE _{LCh}	42, 4.669, 19.945
Yxy	12.6006, 0.3295, 0.3291
Android (android.graphics.Color)	4285292897 (0xFF6C6161)
YUV	100.2890, -1.6215, 6.7625
Hunter-Lab	35.4973, 1.3234, 3.0071

Details

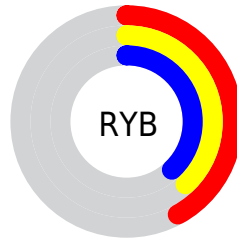
The XYZ color **12.6167, 12.6006, 13.0764** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9990, 14.3489, 16.2720**, and the grayscale version is **12.1901, 12.8249, 13.9663**.

A 20% lighter version of the original color is **30.2333, 30.6889, 32.3470**, and **3.7058, 3.5988, 3.6313** is the 20% darker color. If you saturate the color by 10%, you get **11.2164, 10.5516, 10.2920**, and if you desaturate by 10%, it is **14.2221, 14.9498, 16.2678**.

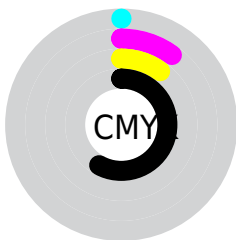
Distribution



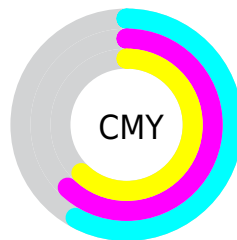
- Red (42%)
- Green (38%)
- Blue (38%)



- Red (42%)
- Yellow (38%)
- Blue (38%)



- Cyan (0%)
- Magenta (10%)
- Yellow (10%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6167, 12.6006, 13.0764 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 12.6167, 12.6006, 13.0764 by changing the saturation by 10% instead.

■ 12.6167, 12.6006,
13.0764

■ 12.6167, 12.6006,
13.0764

202.1340,
208.3419, 222.6317

■ 7.2403, 7.1541,
7.3498

■ 30.2206, 30.5844,
32.1342

■ 3.6605, 3.5587,
3.6001

■ 43.1789, 43.8904,
46.3024

■ 1.5119, 1.4299,
1.4086

■ 59.3952, 60.5851,
64.1217

■ 0.3339, 0.2386,
0.1484

■ 79.2348, 81.0528,
86.0105

■ 0.0000, 0.0000,
0.0000

103.0631,
105.6779, 112.3874

131.2455,

134.8449, 143.6708

164.1474,
168.9381, 180.2794

■ 12.6167, 12.6006,
13.0764

■ 12.6167, 12.6006,
13.0764

■ 11.2164, 10.5516,
10.2920

■ 14.2221, 14.9498,
16.2678

■ 10.0119, 8.7892,
7.8975

■ 16.0394, 17.6088,
19.8808

■ 8.9949, 7.3011,
5.8757

■ 18.0761, 20.5890,
23.9302

■ 8.1560, 6.0734,
4.2079

■ 20.3394, 23.9006,
28.4299

■ 7.4848, 5.0913,
2.8738

■ 22.8357, 27.5533,
33.3932

■ 6.9702, 4.3382,
1.8508

■ 25.5717, 31.5565,
38.8329

■ 6.5994, 3.7956,
1.1139

■ 28.5533, 35.9192,
44.7612

■ 6.3579, 3.4421,
0.6339

■ 31.7866, 40.6501,
51.1898

■ 6.1846, 3.1887,
0.2895

■ 35.2773, 45.7576,
58.1302

Harmonies

Analogous

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



12.6476, 12.6006, 14.0573



12.6167, 12.6006, 13.0764



12.4124, 12.6006, 12.3045

Triad

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



12.6167, 12.6006, 13.0764



11.4715, 12.6006, 12.5230



11.8600, 12.6006, 15.6951

Complementary

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



12.6167, 12.6006, 13.0764



12.9990, 14.3489, 16.2720

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.



11.5509, 12.6006, 15.2400



12.6167, 12.6006, 13.0764



11.3295, 12.6006, 13.3880

Square

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



12.6167, 12.6006, 13.0764



11.7496, 12.6006, 11.9959



11.3583, 12.6006, 14.3842



12.2062, 12.6006, 15.6017

Rectangle

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



12.6167, 12.6006, 13.0764



12.2075, 12.6006, 11.9970



11.3583, 12.6006, 14.3842



11.7485, 12.6006, 15.6003

Sweetspot

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



12.6171, 12.6012, 13.0767



24.1146, 24.9965, 26.8622



13.1660, 12.8204, 15.9682



5.7883, 5.9792, 6.4053



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6171, 12.6012, 13.0767



21.5945, 21.3090, 21.8519



13.1428, 13.6527, 13.2519



3.0998, 3.1169, 3.2557



7.3768, 3.8032, 0.3453



37.5870, 19.3776, 1.7592

Inverse Universe

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



12.9990, 14.3489, 16.2720



22.3948, 24.9712, 28.5473



12.4373, 13.2256, 16.0848



3.1817, 3.4918, 3.9412



9.6221, 14.0785, 19.1325



49.0279, 71.7344, 97.4883

Previews

White Background



This preview shows how the XYZ color 12.6167, 12.6006, 13.0764 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 12.6167, 12.6006, 13.0764 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 12.6167, 12.6006, 13.0764

Background



This preview shows how black text looks on a background with the XYZ color 12.6167, 12.6006, 13.0764.



This preview shows how white text looks on a background with the XYZ color 12.6167, 12.6006,

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

12.6167, 12.6006, 13.0764

Protanopia

12.1459, 12.6303, 13.3530

Deuteranopia

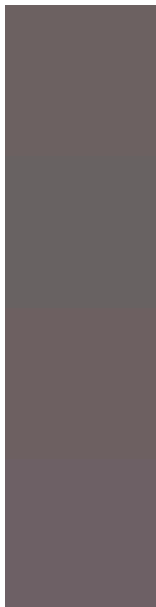
12.7709, 12.5438, 13.0574



Tritanopia

12.9882, 12.6164, 14.8474

Trichromacy



Original Color

12.6167, 12.6006, 13.0764

Protanomaly

12.2812, 12.5603, 13.3324

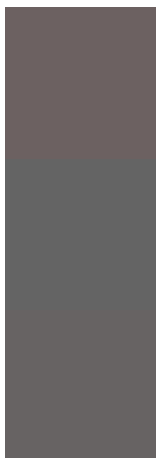
Deuteranomaly

12.6472, 12.4800, 13.0516

Tritanomaly

12.8385, 12.5565, 14.0589

Monochromacy



Original Color

12.6167, 12.6006, 13.0764

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3075, 12.7081, 13.6086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6167, 12.6006, 13.0764 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(108, 97, 97)` looks like.

```
.text, #text, p{  
    color:rgb(108, 97, 97)  
}
```

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(108, 97, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 97, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.6167, 12.6006, 13.0764 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(108, 97, 97) }
```


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

```
.border{ border-color:rgb(108, 97, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 97, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 97, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 97, 97);  
box-shadow:4px 4px 4px 4px rgb(108, 97,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6167, 12.6006, 13.0764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 97, 97) }
```

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

```
.background{ background-color: rgb(108, 97,  
97) }
```

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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