

Converting Colors

XYZ(12.5236, 12.0040, 16.5519)

Have a look what the booklet for
XYZ(12.5236, 12.0040, 16.5519)
contains.

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Color

**XYZ(12.5809, 12.0962,
16.7106)**

Conversions

Conversions Part 1

Format	Color
Hex	685E6F
RGB	104, 94, 111
RGB Percent	41%, 37%, 44%
CMY	0.5922, 0.6314, 0.5647
CMYK	0.06, 0.15, 0.00, 0.56
HSL	275°, 8%, 40%
HSV	275°, 15%, 44%
XYZ	12.5809, 12.0962, 16.7106
YIQ	98.9280, 0.5030, 7.4070

Conversions

Conversions Part 2

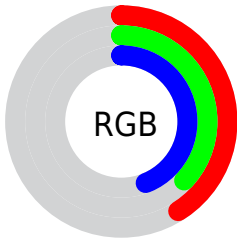
Format	Color
R_{YB}	104, 94, 111
Decimal	6839919
CIE _{Lab}	41.37, 7.54, -8.17
CIE _{LCh}	41, 11.115, 312.702
Yxy	12.0962, 0.3040, 0.2923
Android (android.graphics.Color)	4285029999 (0xFF685E6F)
YUV	98.9280, 5.9515, 4.4481
Hunter-Lab	34.7796, 3.7049, -4.1414

Details

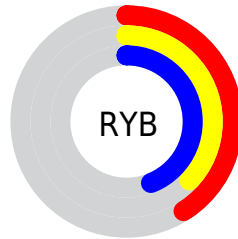
The XYZ color **12.5809, 12.0962, 16.7106** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0721, 14.9440, 12.7858**, and the grayscale version is **11.8273, 12.4433, 13.5507**.

A 20% lighter version of the original color is **30.1017, 29.5594, 38.7693**, and **3.6415, 3.3426, 5.1559** is the 20% darker color. If you saturate the color by 10%, you get **11.1478, 9.9963, 16.3810**, and if you desaturate by 10%, it is **14.1854, 14.4959, 17.0894**.

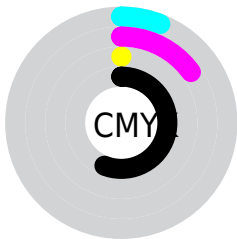
Distribution



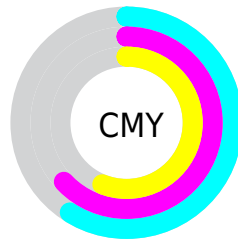
- Red (41%)
- Green (37%)
- Blue (44%)



- Red (41%)
- Yellow (37%)
- Blue (44%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (63%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5809, 12.0962, 16.7106 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 12.5809, 12.0962, 16.7106 by changing the saturation by 10% instead.

■ 12.5809, 12.0962,
16.7106

■ 12.5809, 12.0962,
16.7106

201.9063,
205.0411, 245.4863

■ 7.2156, 6.8092,
9.8686

■ 30.1565, 29.6702,
38.6113

■ 3.6448, 3.3431,
5.2075

■ 43.0976, 42.7260,
54.5071

■ 1.5032, 1.3134,
2.3086

■ 59.2946, 59.1402,
74.2580

■ 0.3280, 0.1515,
0.7360

■ 79.1129, 79.2972,
98.2824

■ 0.0000, 0.0000,
0.0000

102.9178,
103.5814, 126.9989

131.0748,

132.3772, 160.8260

163.9492,
166.0690, 200.1823

■ 12.5809, 12.0962,
16.7106

■ 12.5809, 12.0962,
16.7106

■ 11.1478, 9.9963,
16.3810

■ 14.1854, 14.4959,
17.0894

■ 9.8786, 8.1823,
16.0978

■ 15.9665, 17.2055,
17.5185

■ 8.7668, 6.6417,
15.8590

■ 17.9302, 20.2363,
18.0000

■ 7.8048, 5.3601,
15.6623

■ 20.0820, 23.5988,
18.5357

■ 6.9845, 4.3221,
15.5052

■ 22.4273, 27.3030,
19.1270

6.2970, 3.5104,
15.3848

24.9710, 31.3583,
19.7757

5.7320, 2.9052,
15.2977

27.7181, 35.7738,
20.4832

5.2704, 2.4694,
15.2379

30.6732, 40.5584,
21.2510

5.0687, 2.2815,
15.2123

33.8409, 45.7205,
22.0804

Harmonies

Analogous

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



11.8414, 12.0962, 17.9944



12.5809, 12.0962, 16.7106



13.0418, 12.0962, 14.5355

Triad

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



12.5809, 12.0962, 16.7106



11.9642, 12.0962, 9.3699



10.0500, 12.0962, 14.1714

Complementary

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



12.5809, 12.0962, 16.7106



13.0721, 14.9440, 12.7858

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.



10.0794, 12.0962, 11.8941



12.5809, 12.0962, 16.7106



11.1595, 12.0962, 9.2967

Square

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



12.5809, 12.0962, 16.7106



12.6745, 12.0962, 10.3831



10.4774, 12.0962, 10.1697



10.3949, 12.0962, 16.4173

Rectangle

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



12.5809, 12.0962, 16.7106



13.1163, 12.0962, 12.9625



10.4774, 12.0962, 10.1697



10.0169, 12.0962, 13.3812

Sweetspot

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



12.5813, 12.0967, 16.7109



25.4549, 26.0382, 30.6140



12.1476, 12.8514, 16.8794



6.0758, 6.1958, 7.3454



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.5813, 12.0967, 16.7109



21.6807, 20.4092, 29.7265



13.3504, 12.5022, 16.3429



3.3880, 3.3883, 4.2297



5.9429, 2.6731, 17.9243



28.6073, 12.8020, 89.2424

Inverse Universe

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



12.9076, 12.3250, 14.0111



22.3845, 20.9004, 23.9596



12.3855, 14.5827, 13.0886



3.4362, 3.4222, 3.8235



8.2868, 4.2071, 3.3201



40.8724, 20.7943, 14.3919

Previews

White Background



This preview shows how the XYZ color 12.5809, 12.0962, 16.7106 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 12.5809, 12.0962, 16.7106 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 12.5809, 12.0962, 16.7106

Background



This preview shows how black text looks on a background with the XYZ color 12.5809, 12.0962, 16.7106.



This preview shows how white text looks on a background with the XYZ color 12.5809, 12.0962,

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

12.5809, 12.0962, 16.7106

Protanopia

11.9746, 12.1745, 17.3416

Deuteranopia

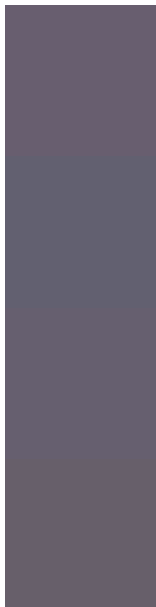
12.3283, 12.0988, 16.7245



Tritanopia

12.1339, 12.0473, 14.5178

Trichromacy



Original Color

12.5809, 12.0962, 16.7106

Protanomaly

12.1445, 12.1323, 17.0309

Deuteranomaly

12.4409, 12.1569, 16.7297

Tritanomaly

12.2872, 12.1086, 15.3253

Monochromacy



Original Color

12.5809, 12.0962, 16.7106

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0897, 12.2954, 14.5680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5809, 12.0962, 16.7106 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(104, 94, 111)` looks like.

```
.text, #text, p{  
    color:rgb(104, 94, 111)  
}
```

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(104, 94, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 94, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.5809, 12.0962, 16.7106 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(104, 94, 111) }
```


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

```
.border{ border-color:rgb(104, 94, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 94, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 94, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 94, 111);  
box-shadow:4px 4px 4px 4px rgb(104, 94,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5809, 12.0962, 16.7106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 94, 111) }
```

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

```
.background{ background-color: rgb(104, 94,  
111) }
```

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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