

Converting Colors

XYZ(12.4307, 17.7811, 11.0505)

Have a look what the booklet for
XYZ(12.4307, 17.7811, 11.0505)
contains.

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Color

**XYZ(12.3411, 17.6407,
10.9382)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8053
RGB	77, 128, 83
RGB Percent	30%, 50%, 33%
CMY	0.6980, 0.4980, 0.6745
CMYK	0.40, 0.00, 0.35, 0.50
HSL	127°, 25%, 40%
HSV	127°, 40%, 50%
XYZ	12.3411, 17.6407, 10.9382
YIQ	107.6210, -15.9510, -24.8070

Conversions

Conversions Part 2

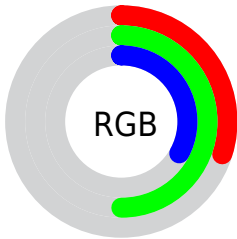
Format	Color
RYB	77, 123, 128
Decimal	5079123
CIELab	49.06, -27.23, 19.19
CIElCh	49, 33.317, 144.822
Yxy	17.6407, 0.3016, 0.4311
Android (android.graphics.Color)	4283269203 (0xFF4D8053)
YUV	107.6210, -12.1382, -26.8546
Hunter-Lab	42.0008, -21.0528, 13.9598

Details

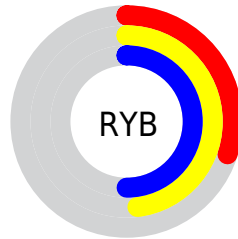
The XYZ color **12.3411, 17.6407, 10.9382** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0694, 11.3025, 19.8003**, and the grayscale version is **14.1843, 14.9229, 16.2511**.

A 20% lighter version of the original color is **29.6596, 39.3304, 28.2186**, and **3.5103, 5.8154, 2.6877** is the 20% darker color. If you saturate the color by 10%, you get **11.0071, 16.9999, 8.7821**, and if you desaturate by 10%, it is **13.9503, 18.4162, 13.4788**.

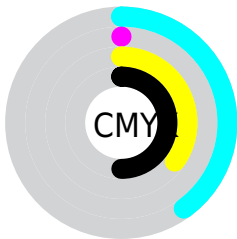
Distribution



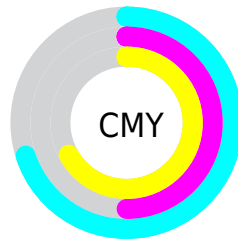
- Red (30%)
- Green (50%)
- Blue (33%)



- Red (30%)
- Yellow (48%)
- Blue (50%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (50%)





- Cyan (70%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3411, 17.6407, 10.9382 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 12.3411, 17.6407, 10.9382 by changing the saturation by 10% instead.


 12.3411, 17.6407,
10.9382


 12.3411, 17.6407,
10.9382


200.3747,
238.8380, 207.9653


 7.0503, 10.6923,
5.9116


 29.7263, 39.4241,
28.1807


 3.5402, 5.8604,
2.7235

 42.5515, 55.0280,
41.2338


 1.4454, 2.7604,
0.9552

 58.6187, 74.2858,
57.7994

 0.2883, 1.0079,
0.0000

 78.2935, 97.5820,
78.2962

 0.0000, 0.0000,
0.0000

 101.9411,
125.3009, 103.1426

129.9270,

157.8269, 132.7572

162.6164,
195.5445, 167.5586

■ 12.3411, 17.6407,
10.9382

■ 12.3411, 17.6407,
10.9382

■ 11.0071, 16.9999,
8.7821

■ 13.9503, 18.4162,
13.4788

■ 9.9316, 16.4839,
6.9907

■ 15.8477, 19.3312,
16.4202

■ 9.0981, 16.0854,
5.5442

■ 18.0468, 20.3928,
19.7790

■ 8.4875, 15.7949,
4.4203

■ 20.5601, 21.6071,
23.5707

■ 8.0779, 15.6016,
3.5943

■ 23.3992, 22.9799,
27.8098

■ 7.8099, 15.4755,
3.0363

■ 26.5754, 24.5165,
32.5105

■ 7.8062, 15.4737,
3.0295

■ 30.0991, 26.2222,
37.6859

■ 33.9805, 28.1018,
43.3489

■ 38.2293, 30.1601,
49.5118

Harmonies

Analogous

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



14.3811, 17.6407, 7.4848



12.3411, 17.6407, 10.9382



11.4915, 17.6407, 17.7042

Triad

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



12.3411, 17.6407, 10.9382



16.2334, 17.6407, 41.7934



22.7971, 17.6407, 12.8811

Complementary

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



12.3411, 17.6407, 10.9382



15.0694, 11.3025, 19.8003

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.



23.4510, 17.6407, 20.7941



12.3411, 17.6407, 10.9382



19.4031, 17.6407, 39.3066

Square

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



12.3411, 17.6407, 10.9382



13.5542, 17.6407, 36.8691



22.1416, 17.6407, 30.8520



20.4511, 17.6407, 8.3394

Rectangle

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



12.3411, 17.6407, 10.9382



11.6277, 17.6407, 23.9275



22.1416, 17.6407, 30.8520



23.2334, 17.6407, 15.1534

Sweetspot

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



12.3416, 17.6414, 10.9386



30.7812, 35.4243, 33.3154



17.0926, 20.1163, 10.0033



7.1099, 8.2470, 7.6525



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.



12.3416, 17.6414, 10.9386



19.5368, 30.0054, 15.7201



13.5111, 18.1092, 17.0971



4.2950, 4.8263, 4.7249



7.7403, 15.3427, 3.0055



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.0694, 11.3025, 19.8003



25.0503, 17.1795, 33.6212



13.6932, 10.7520, 12.5536



4.4771, 4.4040, 5.3167



11.7795, 5.7315, 15.9606



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3411, 17.6407, 10.9382 looks on a white background.

Color Contrast Check

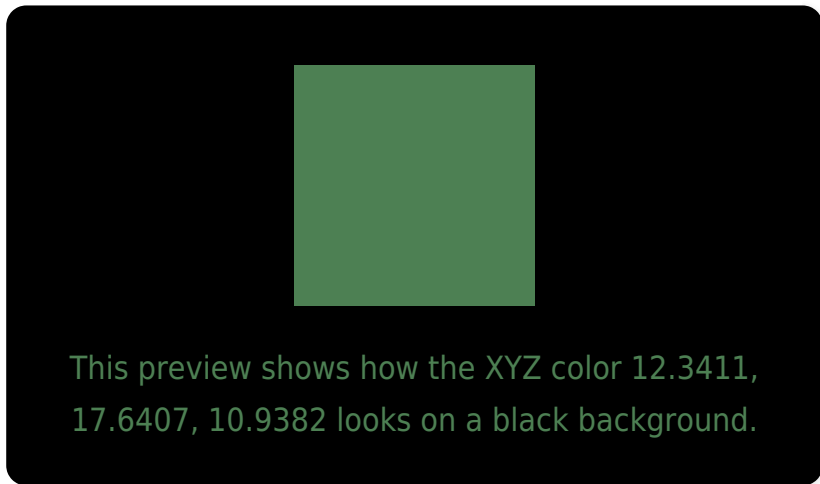
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

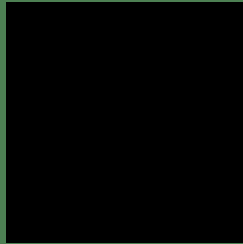
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.3411, 17.6407, 10.9382

Background



This preview shows how black text looks on a background with the XYZ color 12.3411, 17.6407, 10.9382.



This preview shows how white text looks on a background with the XYZ color 12.3411, 17.6407,

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

12.3411, 17.6407, 10.9382

Protanopia

16.2247, 17.4765, 9.7259

Deuteranopia

17.7213, 17.3754, 11.4366



Tritanopia

15.0549, 17.6112, 24.4356

Trichromacy



Original Color

12.3411, 17.6407, 10.9382

Protanomaly

14.3488, 17.2003, 10.1531

Deuteranomaly

15.1112, 17.0393, 11.2966

Tritanomaly

13.8122, 17.4692, 18.5635

Monochromacy



Original Color

12.3411, 17.6407, 10.9382

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.3126, 15.7037, 14.1338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3411, 17.6407, 10.9382 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(77, 128, 83)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 83)  
}
```

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(77, 128, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.3411, 17.6407, 10.9382 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(77, 128, 83) }
```


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

```
.border{ border-color:rgb(77, 128, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 128, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 83);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3411, 17.6407, 10.9382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 83) }
```

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

```
.background{ background-color: rgb(77, 128,  
83) }
```

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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