

Converting Colors

$Y_{xy}(12.7213, 0.2677, 0.4706)$

Have a look what the booklet for
Yxy(12.7213, 0.2677, 0.4706)
contains.

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Color

$Y_{xy}(12.7213, 0.2677, 0.4706)$

Conversions

Conversions Part 1

Format	Color
Hex	0C7341
RGB	12, 115, 65
RGB Percent	5%, 45%, 25%
CMY	0.9529, 0.5490, 0.7451
CMYK	0.90, 0.00, 0.43, 0.55
HSL	151°, 81%, 25%
HSV	151°, 90%, 45%
XYZ	7.2365, 12.7213, 7.0743
YIQ	78.5030, -45.3380, -37.3860

Conversions

Conversions Part 2

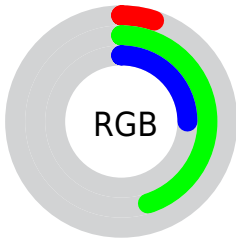
Format	Color
RYB	12, 80, 115
Decimal	815937
CIELab	42.34, -39.55, 20.18
CIELCh	42, 44.402, 152.963
Yxy	12.7213, 0.2677, 0.4706
Android (android.graphics.Color)	4279006017 (0xFF0C7341)
YUV	78.5030, -6.6570, -58.3231
Hunter-Lab	35.6669, -26.2011, 13.2071

Details

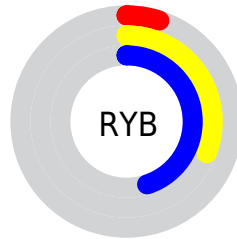
The Yxy color **12.7213, 0.2677, 0.4706** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2563, 0.4670, 0.2462**, and the grayscale version is **7.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8172, 0.2817, 0.4313**, and **3.8347, 0.2812, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **12.5853, 0.2691, 0.4882**, and if you desaturate by 10%, it is **12.8998, 0.2674, 0.4526**.

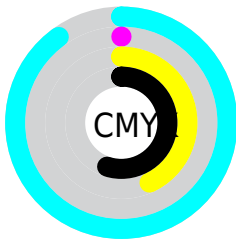
Distribution



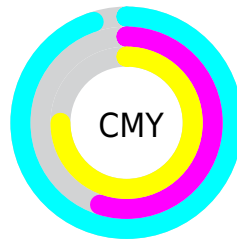
- Red (5%)
- Green (45%)
- Blue (25%)



- Red (5%)
- Yellow (31%)
- Blue (45%)



- Cyan (90%)
- Magenta (0%)
- Yellow (43%)
- Black (55%)



- Cyan (95%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7213, 0.2677, 0.4706 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 Yxy color 12.7213, 0.2677, 0.4706 by changing the saturation by 10% instead.

■ 12.7213, 0.2677,
0.4706

■ 12.7213, 0.2677,
0.4706

■ 209.1237, 0.2978,
0.3794

■ 7.2369, 0.2554,
0.5052

■ 30.8022, 0.2814,
0.4303

■ 3.6107, 0.2346,
0.5607

■ 44.1674, 0.2856,
0.4176

■ 1.4583, 0.1783,
0.7808

■ 60.9285, 0.2888,
0.4077

■ 0.2591, 0.0000,
1.0000

■ 81.4697, 0.2914,
0.3998

■ 0.0000, 0.0000,
0.0000

■ 106.1754, 0.2934,
0.3933

■ 135.4300, 0.2951,

0.3879

■ 169.6180, 0.2965,
0.3833

■ 12.7213, 0.2677,
0.4706

■ 12.7213, 0.2677,
0.4706

■ 12.5853, 0.2691,
0.4882

■ 12.8998, 0.2674,
0.4526

■ 12.5794, 0.2692,
0.4890

■ 13.1436, 0.2689,
0.4344

■ 13.4602, 0.2721,
0.4164

■ 13.8555, 0.2768,
0.3990

■ 14.3349, 0.2827,
0.3825

■ 14.9033, 0.2896,
0.3671

■ 15.5651, 0.2971,
0.3530

■ 16.3245, 0.3050,
0.3401

■ 17.1855, 0.3131,
0.3285

Harmonies

Analogous

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



12.7213, 0.3557, 0.5066



12.7213, 0.2677, 0.4706



12.7213, 0.1970, 0.3709

Triad

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



12.7213, 0.2677, 0.4706



12.7213, 0.1866, 0.1911



12.7213, 0.4933, 0.3429

Complementary

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



12.7213, 0.2677, 0.4706



4.2563, 0.4670, 0.2462

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.



12.7213, 0.4342, 0.2807



12.7213, 0.2677, 0.4706



12.7213, 0.2477, 0.1979

Square

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



12.7213, 0.2677, 0.4706



12.7213, 0.1579, 0.2135



12.7213, 0.3381, 0.2295



12.7213, 0.4908, 0.4096

Rectangle

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



12.7213, 0.2677, 0.4706



12.7213, 0.1685, 0.3019



12.7213, 0.3381, 0.2295



12.7213, 0.4801, 0.3214

Sweetspot

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



12.7218, 0.2677, 0.4706



26.8919, 0.2909, 0.3644



13.3621, 0.3431, 0.5537



6.3458, 0.2890, 0.3683



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.7218, 0.2677, 0.4706



22.4981, 0.2703, 0.4932



13.5781, 0.2270, 0.3287



4.1267, 0.3054, 0.3395



14.3760, 0.2695, 0.4900



69.8824, 0.2719, 0.4989

Inverse Universe

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



4.2563, 0.4670, 0.2462



7.0085, 0.4986, 0.2520



3.9349, 0.6094, 0.3299



3.7277, 0.3207, 0.3187



4.4871, 0.4945, 0.2498



21.6943, 0.5061, 0.2562

Previews

White Background



This preview shows how the Yxy color 12.7213, 0.2677, 0.4706 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 Yxy color 12.7213, 0.2677, 0.4706 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](#).

Yxy 12.7213, 0.2677, 0.4706

Background



This preview shows how black text looks on a background with the Yxy color 12.7213, 0.2677, 0.4706.



This preview shows how white text looks on a background with the Yxy color 12.7213, 0.2677, 0.4706.

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

12.7213, 0.2677, 0.4706

Protanopia

12.6813, 0.3845, 0.4184

Deuteranopia

12.5486, 0.3893, 0.3815



Tritanopia

12.7808, 0.2348, 0.3069

Trichromacy



Original Color

12.7213, 0.2677, 0.4706

Protanomaly

11.8959, 0.3245, 0.4428

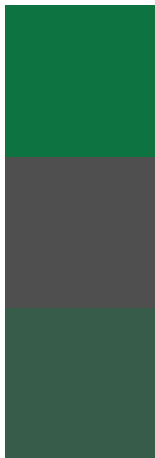
Deuteranomaly

11.6256, 0.3256, 0.4158

Tritanomaly

12.5768, 0.2445, 0.3605

Monochromacy



Original Color

12.7213, 0.2677, 0.4706

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.9609, 0.2830, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7213, 0.2677, 0.4706 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(12, 115, 65)` looks like.

```
.text, #text, p{  
    color:rgb(12, 115, 65)  
}
```

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(12, 115, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 115, 65) }
```

Border

The CSS property to change the border of an element to Yxy 12.7213, 0.2677, 0.4706 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(12, 115, 65) }
```

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

```
.border{ border-color:rgb(12, 115, 65) }
```

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

Here you see how a box with a 4 pixel rgb(12, 115, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 115, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 115, 65);  
box-shadow:4px 4px 4px 4px rgb(12, 115,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7213, 0.2677, 0.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 115, 65) }
```

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

```
.background{ background-color: rgb(12, 115,  
65) }
```

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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