

Converting Colors

$Y_{xy}(11.2667, 0.2303, 0.5110)$

Have a look what the booklet for
Yxy(11.2667, 0.2303, 0.5110)
contains.

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Color

Yxy(12.0958, 0.2708, 0.4949)

Conversions

Conversions Part 1

Format	Color
Hex	007138
RGB	0, 113, 56
RGB Percent	0%, 44%, 22%
CMY	1.0000, 0.5569, 0.7804
CMYK	1.00, 0.00, 0.50, 0.56
HSL	150°, 100%, 22%
HSV	150°, 100%, 44%
XYZ	6.6186, 12.0958, 5.7265
YIQ	72.7150, -49.0510, -41.6830

Conversions

Conversions Part 2

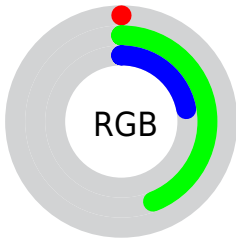
Format	Color
RYB	0, 76, 113
Decimal	28984
CIELab	41.37, -41.57, 23.98
CIELCh	41, 47.990, 150.024
Yxy	12.0958, 0.2708, 0.4949
Android (android.graphics.Color)	4278219064 (0xFF007138)
YUV	72.7150, -8.2405, -63.7711
Hunter-Lab	34.7790, -26.8940, 14.5830

Details

The Yxy color **12.0958, 0.2708, 0.4949** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8064, 0.4850, 0.2446**, and the grayscale version is **6.6316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7278, 0.2850, 0.4469**, and **3.6910, 0.2907, 0.5666** is the 20% darker color. If you saturate the color by 10%, you get **12.0964, 0.2708, 0.4949**, and if you desaturate by 10%, it is **12.2286, 0.2694, 0.4768**.

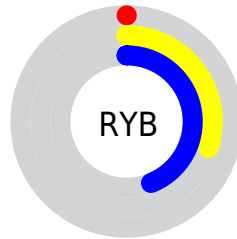
Distribution



Red (0%)

Green (44%)

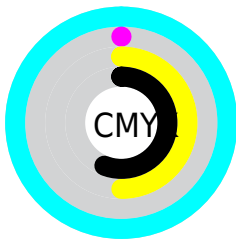
Blue (22%)



Red (0%)

Yellow (30%)

Blue (44%)

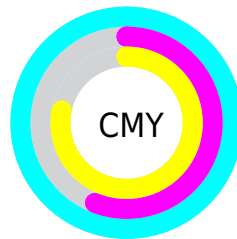


Cyan (100%)

Magenta (0%)

Yellow (50%)

Black (56%)



Cyan (100%)


Magenta (56%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0958, 0.2708, 0.4949 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 12.0958, 0.2708, 0.4949 by changing the saturation by 10% instead.


 12.0958, 0.2708,
0.4949


 12.0958, 0.2708,
0.4949


205.0385, 0.3002,
0.3869


 6.8090, 0.2576,
0.5365


 29.6695, 0.2848,
0.4467


 3.3429, 0.2342,
0.6034

 42.7251, 0.2889,
0.4317


 1.3133, 0.1213,
0.8787

 59.1391, 0.2920,
0.4200

 0.1514, 0.0000,
1.0000

 79.2958, 0.2943,
0.4107

 0.0000, 0.0000,
0.0000

 103.5798, 0.2962,
0.4031

 132.3752, 0.2978,


0.3968


 166.0667, 0.2991,
0.3915


 12.0958, 0.2708,
0.4949


 12.0958, 0.2708,
0.4949


 12.0964, 0.2708,
0.4949

 12.2286, 0.2694,
0.4768

 12.3985, 0.2689,
0.4583

 12.6317, 0.2702,
0.4394

 12.9350, 0.2732,
0.4207

 13.3142, 0.2777,
0.4025

■ 13.7744, 0.2834,
0.3853

■ 14.3203, 0.2900,
0.3693

■ 14.9563, 0.2972,
0.3545

■ 15.6863, 0.3049,
0.3411

Harmonies

Analogous

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



12.0958, 0.3659, 0.5230



12.0958, 0.2708, 0.4949



12.0958, 0.1923, 0.3865

Triad

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



12.0958, 0.2708, 0.4949



12.0958, 0.1723, 0.1812



12.0958, 0.5070, 0.3347

Complementary

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



12.0958, 0.2708, 0.4949



3.8064, 0.4850, 0.2446

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.



12.0958, 0.4366, 0.2698



12.0958, 0.2708, 0.4949



12.0958, 0.2336, 0.1861

Square

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



12.0958, 0.2708, 0.4949



12.0958, 0.1452, 0.2075



12.0958, 0.3291, 0.2172



12.0958, 0.5086, 0.4054

Rectangle

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



12.0958, 0.2708, 0.4949



12.0958, 0.1601, 0.3080



12.0958, 0.3291, 0.2172



12.0958, 0.4906, 0.3123

Sweetspot

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



12.0964, 0.2708, 0.4949



25.5574, 0.2894, 0.3705



12.7221, 0.3418, 0.5668



5.8348, 0.2872, 0.3756



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.0964, 0.2708, 0.4949



21.6333, 0.2720, 0.4993



12.9613, 0.2260, 0.3336



3.7882, 0.3057, 0.3398



13.7167, 0.2711, 0.4959



68.1551, 0.2737, 0.5053

Inverse Universe

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



3.8064, 0.4850, 0.2446



6.7893, 0.4904, 0.2475



3.5150, 0.6369, 0.3282



3.4270, 0.3204, 0.3184



4.3135, 0.4863, 0.2453



21.3130, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 12.0958, 0.2708, 0.4949 looks on a white background.

Color Contrast Check

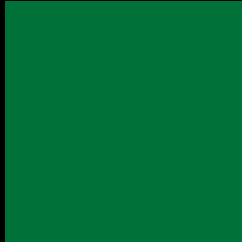
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0958, 0.2708, 0.4949 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 12.0958, 0.2708, 0.4949

Background



This preview shows how black text looks on a background with the Yxy color 12.0958, 0.2708, 0.4949.



This preview shows how white text looks on a background with the Yxy color 12.0958, 0.2708, 0.4949.

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

12.0958, 0.2708, 0.4949

Protanopia

12.1002, 0.3937, 0.4319

Deuteranopia

12.0172, 0.4031, 0.3961



Tritanopia

12.2668, 0.2354, 0.3089

Trichromacy



Original Color

12.0958, 0.2708, 0.4949

Protanomaly

11.1865, 0.3258, 0.4627

Deuteranomaly

10.9260, 0.3301, 0.4373

Tritanomaly

11.9784, 0.2451, 0.3697

Monochromacy



Original Color

12.0958, 0.2708, 0.4949

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.9655, 0.2794, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0958, 0.2708, 0.4949 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(0, 113, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 56)  
}
```

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(0, 113, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 56) }
```

Border

The CSS property to change the border of an element to Yxy 12.0958, 0.2708, 0.4949 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(0, 113, 56) }
```

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

```
.border{ border-color:rgb(0, 113, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0958, 0.2708, 0.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 56) }
```

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

```
.background{ background-color: rgb(0, 113,  
56) }
```

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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