

Converting Colors

$Y_{xy}(13.0351, 0.2800, 0.5225)$

Have a look what the booklet for
Yxy(13.0351, 0.2800, 0.5225)
contains.

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Color

Yxy(12.9682, 0.2799, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	057530
RGB	5, 117, 48
RGB Percent	2%, 46%, 19%
CMY	0.9802, 0.5412, 0.8118
CMYK	0.96, 0.00, 0.59, 0.54
HSL	143°, 92%, 24%
HSV	143°, 96%, 46%
XYZ	6.9576, 12.9682, 4.9317
YIQ	75.6460, -44.6030, -45.2030

Conversions

Conversions Part 2

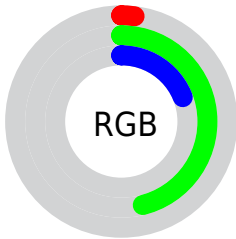
Format	Color
RYB	5, 86, 117
Decimal	357680
CIELab	42.72, -43.92, 29.94
CIELCh	43, 53.158, 145.719
Yxy	12.9682, 0.2799, 0.5217
Android (android.graphics.Color)	4278547760 (0xFF057530)
YUV	75.6460, -13.6295, -61.9565
Hunter-Lab	36.0114, -28.5326, 17.0882

Details

The Yxy color **12.9682, 0.2799, 0.5217** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3867, 0.4337, 0.2205**, and the grayscale version is **7.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1718, 0.2927, 0.4668**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9114, 0.2806, 0.5303**, and if you desaturate by 10%, it is **13.1175, 0.2781, 0.5009**.

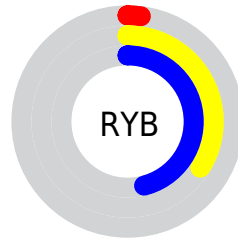
Distribution



Red (2%)

Green (46%)

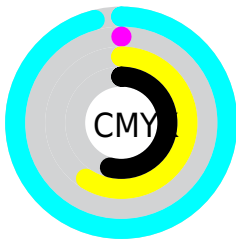
Blue (19%)



Red (2%)

Yellow (34%)

Blue (46%)

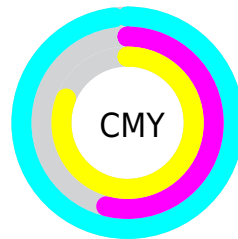


Cyan (96%)

Magenta (0%)

Yellow (59%)

Black (54%)



Cyan (98%)


Magenta (54%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9682, 0.2799, 0.5217 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 12.9682, 0.2799, 0.5217 by changing the saturation by 10% instead.


 12.9682, 0.2799,
0.5217


 12.9682, 0.2799,
0.5217


210.7138, 0.3050,
0.3971


 7.4067, 0.2671,
0.5681


 31.2466, 0.2927,
0.4667


 3.7177, 0.2447,
0.6437

 44.7323, 0.2962,
0.4493


 1.5169, 0.1490,
0.8510

 61.6282, 0.2987,
0.4358

 0.3006, 0.0000,
1.0000

 82.3186, 0.3006,
0.4249


 0.0000, 0.0000,
0.0000


 107.1880, 0.3021,
0.4160


 136.6207, 0.3033,


0.4087


 171.0012, 0.3042,
0.4024

 12.9682, 0.2799,
0.5217


 12.9682, 0.2799,
0.5217

 12.9114, 0.2806,
0.5303

 13.1175, 0.2781,
0.5009

 13.3285, 0.2777,
0.4787

 13.6144, 0.2791,
0.4558

 13.9824, 0.2819,
0.4329

 14.4387, 0.2859,
0.4109

■ 14.9886, 0.2910,
0.3900

■ 15.6375, 0.2967,
0.3707

■ 16.3899, 0.3028,
0.3531

■ 17.2503, 0.3091,
0.3372

Harmonies

Analogous

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



12.9682, 0.3810, 0.5340



12.9682, 0.2799, 0.5217



12.9682, 0.1928, 0.4106

Triad

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



12.9682, 0.2799, 0.5217



12.9682, 0.1574, 0.1737



12.9682, 0.5157, 0.3226

Complementary

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



12.9682, 0.2799, 0.5217



4.3867, 0.4337, 0.2205

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.



12.9682, 0.4308, 0.2562



12.9682, 0.2799, 0.5217



12.9682, 0.2161, 0.1750

Square

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



12.9682, 0.2799, 0.5217



12.9682, 0.1340, 0.2057



12.9682, 0.3132, 0.2039



12.9682, 0.5261, 0.3958

Rectangle

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



12.9682, 0.2799, 0.5217



12.9682, 0.1554, 0.3220



12.9682, 0.3132, 0.2039



12.9682, 0.4947, 0.2995

Sweetspot

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



12.9687, 0.2799, 0.5217



27.5076, 0.2943, 0.3783



14.1931, 0.3572, 0.5499



6.2354, 0.2924, 0.3849



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.



12.9687, 0.2799, 0.5217



23.0950, 0.2819, 0.5349



13.7536, 0.2351, 0.3625



4.1193, 0.3070, 0.3424



14.2224, 0.2809, 0.5312



69.1510, 0.2835, 0.5408

Inverse Universe

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



4.3867, 0.4337, 0.2205



7.5860, 0.4451, 0.2226



3.9356, 0.6060, 0.3180



3.7353, 0.3189, 0.3160



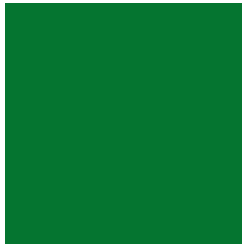
4.6810, 0.4420, 0.2208



22.6399, 0.4503, 0.2254

Previews

White Background



This preview shows how the Yxy color 12.9682, 0.2799, 0.5217 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 12.9682, 0.2799, 0.5217 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 12.9682, 0.2799, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 12.9682, 0.2799, 0.5217.



This preview shows how white text looks on a background with the Yxy color 12.9682, 0.2799, 0.5217.

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

12.9682, 0.2799, 0.5217

Protanopia

12.9265, 0.4079, 0.4479

Deuteranopia

12.8430, 0.4180, 0.4124



Tritanopia

13.0881, 0.2365, 0.3071

Trichromacy



Original Color

12.9682, 0.2799, 0.5217

Protanomaly

12.1213, 0.3395, 0.4853

Deuteranomaly

11.8540, 0.3441, 0.4594

Tritanomaly

12.9076, 0.2509, 0.3821

Monochromacy



Original Color

12.9682, 0.2799, 0.5217

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.5536, 0.2865, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9682, 0.2799, 0.5217 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(5, 117, 48)` looks like.

```
.text, #text, p{  
    color:rgb(5, 117, 48)  
}
```

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(5, 117, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 117, 48) }
```

Border

The CSS property to change the border of an element to Yxy 12.9682, 0.2799, 0.5217 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(5, 117, 48) }
```

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

```
.border{ border-color:rgb(5, 117, 48) }
```

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

Here you see how a box with a 4 pixel rgb(5, 117, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 117, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 117, 48);  
box-shadow:4px 4px 4px 4px rgb(5, 117, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9682, 0.2799, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 117, 48) }
```

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

```
.background{ background-color: rgb(5, 117,  
48) }
```

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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