

Converting Colors

$Y_{xy}(12.1864, 0.2579, 0.5260)$

Have a look what the booklet for
Yxy(12.1864, 0.2579, 0.5260)
contains.

Yxy(12.4918, 0.2763, 0.5146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.4918, 0.2763, 0.5146)

Conversions

Conversions Part 1

Format	Color
Hex	007332
RGB	0, 115, 50
RGB Percent	0%, 45%, 20%
CMY	0.9998, 0.5490, 0.8039
CMYK	1.00, 0.00, 0.57, 0.55
HSL	146°, 100%, 23%
HSV	146°, 100%, 45%
XYZ	6.7071, 12.4918, 5.0759
YIQ	73.2050, -47.6750, -44.5950

Conversions

Conversions Part 2

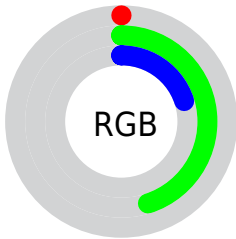
Format	Color
RYB	0, 80, 115
Decimal	29490
CIELab	41.99, -43.33, 28.00
CIELCh	42, 51.586, 147.129
Yxy	12.4918, 0.2763, 0.5146
Android (android.graphics.Color)	4278219570 (0xFF007332)
YUV	73.2050, -11.4401, -64.2008
Hunter-Lab	35.3437, -27.9779, 16.2257

Details

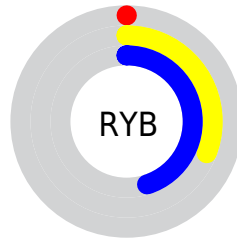
The Yxy color **12.4918, 0.2763, 0.5146** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0285, 0.4608, 0.2313**, and the grayscale version is **6.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3830, 0.2899, 0.4610**, and **3.7872, 0.2974, 0.5908** is the 20% darker color. If you saturate the color by 10%, you get **12.4916, 0.2763, 0.5147**, and if you desaturate by 10%, it is **12.6271, 0.2746, 0.4951**.

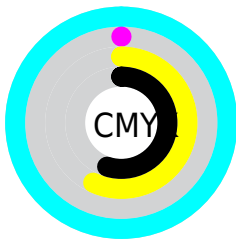
Distribution



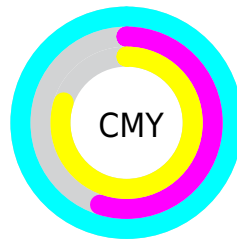
- Red (0%)
- Green (45%)
- Blue (20%)



- Red (0%)
- Yellow (31%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4918, 0.2763, 0.5146 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 12.4918, 0.2763, 0.5146 by changing the saturation by 10% instead.


 12.4918, 0.2763,
0.5146


 12.4918, 0.2763,
0.5146


207.6345, 0.3033,
0.3940


 7.0795, 0.2631,
0.5603


 30.3877, 0.2897,
0.4611


 3.5119, 0.2400,
0.6348

 43.6401, 0.2934,
0.4443

 1.4045, 0.1266,
0.8734

 60.2748, 0.2962,
0.4312

 0.2200, 0.0000,
1.0000

 80.6760, 0.2983,
0.4207


 0.0000, 0.0000,
0.0000

 105.2282, 0.2999,
0.4122


 134.3157, 0.3013,

0.4051


 168.3230, 0.3024,
0.3991


 12.4918, 0.2763,
0.5146


 12.4918, 0.2763,
0.5146


 12.4916, 0.2763,
0.5147

 12.6271, 0.2746,
0.4951

 12.8035, 0.2737,
0.4747

 13.0474, 0.2746,
0.4536

 13.3659, 0.2772,
0.4325

 13.7652, 0.2812,
0.4120

■ 14.2507, 0.2863,
0.3925

■ 14.8274, 0.2923,
0.3744

■ 15.5000, 0.2988,
0.3577

■ 16.2726, 0.3057,
0.3425

Harmonies

Analogous

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



12.4918, 0.3761, 0.5323



12.4918, 0.2763, 0.5146



12.4918, 0.1916, 0.4029

Triad

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



12.4918, 0.2763, 0.5146



12.4918, 0.1614, 0.1751



12.4918, 0.5146, 0.3265

Complementary

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



12.4918, 0.2763, 0.5146



4.0285, 0.4608, 0.2313

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.



12.4918, 0.4339, 0.2602



12.4918, 0.2763, 0.5146



12.4918, 0.2212, 0.1777

Square

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



12.4918, 0.2763, 0.5146



12.4918, 0.1366, 0.2053



12.4918, 0.3186, 0.2075



12.4918, 0.5217, 0.3992

Rectangle

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



12.4918, 0.2763, 0.5146



12.4918, 0.1558, 0.3168



12.4918, 0.3186, 0.2075



12.4918, 0.4950, 0.3035

Sweetspot

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



12.4923, 0.2763, 0.5146



26.4578, 0.2917, 0.3758



13.3921, 0.3488, 0.5612



6.2262, 0.2897, 0.3818



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.



12.4923, 0.2763, 0.5146



22.3426, 0.2776, 0.5193



13.3306, 0.2302, 0.3485



4.1222, 0.3063, 0.3412



14.2763, 0.2766, 0.5159



69.4044, 0.2793, 0.5254

Inverse Universe

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



4.0285, 0.4608, 0.2313



7.1839, 0.4655, 0.2338



3.6631, 0.6278, 0.3233



3.7323, 0.3196, 0.3171



4.5992, 0.4621, 0.2319



22.2378, 0.4717, 0.2372

Previews

White Background



This preview shows how the Yxy color 12.4918, 0.2763, 0.5146 looks on a white background.

Color Contrast Check

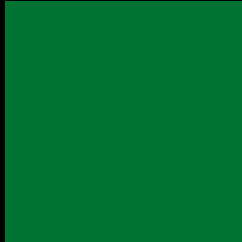
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4918, 0.2763, 0.5146 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 12.4918, 0.2763, 0.5146

Background



This preview shows how black text looks on a background with the Yxy color 12.4918, 0.2763, 0.5146.



This preview shows how white text looks on a background with the Yxy color 12.4918, 0.2763, 0.5146.

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

12.4918, 0.2763, 0.5146

Protanopia

12.4281, 0.4048, 0.4427

Deuteranopia

12.3559, 0.4143, 0.4062



Tritanopia

12.5674, 0.2357, 0.3067

Trichromacy



Original Color

12.4918, 0.2763, 0.5146

Protanomaly

11.6105, 0.3342, 0.4797

Deuteranomaly

11.3469, 0.3383, 0.4528

Tritanomaly

12.4204, 0.2482, 0.3774

Monochromacy



Original Color

12.4918, 0.2763, 0.5146

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.9419, 0.2820, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4918, 0.2763, 0.5146 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, 115, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 50)  
}
```

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, 115, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 50) }
```

Border

The CSS property to change the border of an element to Yxy 12.4918, 0.2763, 0.5146 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, 115, 50) }
```

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

```
.border{ border-color:rgb(0, 115, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4918, 0.2763, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 50) }
```

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

```
.background{ background-color: rgb(0, 115,  
50) }
```

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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