

Converting Colors

$Y_{xy}(12.5225, 0.2963, 0.5866)$

Have a look what the booklet for
Yxy(12.5225, 0.2963, 0.5866)
contains.

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Color

Yxy(12.5225, 0.2963, 0.5866)

Conversions

Conversions Part 1

Format	Color
Hex	00740E
RGB	0, 116, 14
RGB Percent	0%, 45%, 5%
CMY	0.9998, 0.5451, 0.9450
CMYK	1.00, 0.00, 0.88, 0.55
HSL	127°, 100%, 23%
HSV	127°, 100%, 45%
XYZ	6.3253, 12.5225, 2.4998
YIQ	69.6880, -36.3940, -56.3140

Conversions

Conversions Part 2

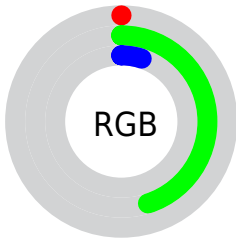
Format	Color
RYB	0, 104, 116
Decimal	29710
CIELab	42.03, -47.53, 43.22
CIELCh	42, 64.239, 137.721
Yxy	12.5225, 0.2963, 0.5866
Android (android.graphics.Color)	4278219790 (0xFF00740E)
YUV	69.6880, -27.4542, -61.1164
Hunter-Lab	35.3871, -30.0214, 20.5827

Details

The Yxy color **12.5225, 0.2963, 0.5866** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.6743, 0.3524, 0.1715**, and the grayscale version is **6.1246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3711, 0.3099, 0.5145**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.5225, 0.2963, 0.5867**, and if you desaturate by 10%, it is **12.6335, 0.2960, 0.5700**.

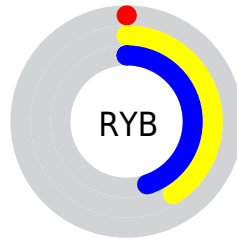
Distribution



Red (0%)

Green (45%)

Blue (5%)



Red (0%)

Yellow (41%)

Blue (45%)

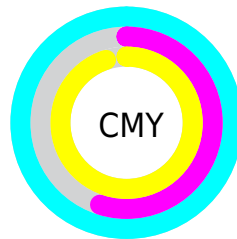


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (55%)



Cyan (100%)


Magenta (55%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5225, 0.2963, 0.5866 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 12.5225, 0.2963, 0.5866 by changing the saturation by 10% instead.


 12.5225, 0.2963,
0.5866


 12.5225, 0.2963,
0.5866


207.8343, 0.3169,
0.4206


 7.1006, 0.2799,
0.6439


 30.4432, 0.3098,
0.5148


 3.5251, 0.2539,
0.7461

 43.7108, 0.3127,
0.4915


 1.4116, 0.0699,
0.9301

 60.3624, 0.3144,
0.4732

 0.2253, 0.0000,
1.0000


 80.7824, 0.3155,
0.4584


 0.0000, 0.0000,
0.0000


 105.3552, 0.3161,
0.4464


 134.4652, 0.3165,


0.4363


 168.4968, 0.3168,
0.4279


 12.5225, 0.2963,
0.5866

 12.5225, 0.2963,
0.5866

 12.5225, 0.2963,
0.5867

 12.6335, 0.2960,
0.5700

 12.7941, 0.2955,
0.5480

 13.0324, 0.2960,
0.5212

 13.3567, 0.2972,
0.4914

 13.7742, 0.2991,
0.4604

■ 14.2916, 0.3015,
0.4299

■ 14.9146, 0.3042,
0.4009

■ 15.6487, 0.3071,
0.3742

■ 16.4989, 0.3099,
0.3502

Harmonies

Analogous

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



12.5225, 0.4119, 0.5532



12.5225, 0.2963, 0.5866



12.5225, 0.1902, 0.4761

Triad

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



12.5225, 0.2963, 0.5866



12.5225, 0.1236, 0.1540



12.5225, 0.5390, 0.2941

Complementary

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



12.5225, 0.2963, 0.5866



4.6743, 0.3524, 0.1715

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.



12.5225, 0.4172, 0.2243



12.5225, 0.2963, 0.5866



12.5225, 0.1765, 0.1482

Square

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



12.5225, 0.2963, 0.5866



12.5225, 0.1069, 0.1987



12.5225, 0.2762, 0.1725



12.5225, 0.5698, 0.3717

Rectangle

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



12.5225, 0.2963, 0.5866



12.5225, 0.1412, 0.3585



12.5225, 0.2762, 0.1725



12.5225, 0.5062, 0.2698

Sweetspot

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



12.5230, 0.2963, 0.5866



26.1212, 0.3040, 0.4032



15.3435, 0.3998, 0.5207



6.1405, 0.3031, 0.4127



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.



12.5230, 0.2963, 0.5866



22.0007, 0.2970, 0.5894



12.9534, 0.2595, 0.4542



4.1047, 0.3102, 0.3482



14.0513, 0.2965, 0.5873



68.4033, 0.2980, 0.5927

Inverse Universe

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



4.6743, 0.3524, 0.1715



8.2017, 0.3533, 0.1720



3.8999, 0.5344, 0.2718



3.7507, 0.3153, 0.3105



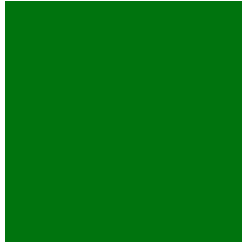
5.2422, 0.3526, 0.1716



25.4622, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 12.5225, 0.2963, 0.5866 looks on a white background.

Color Contrast Check

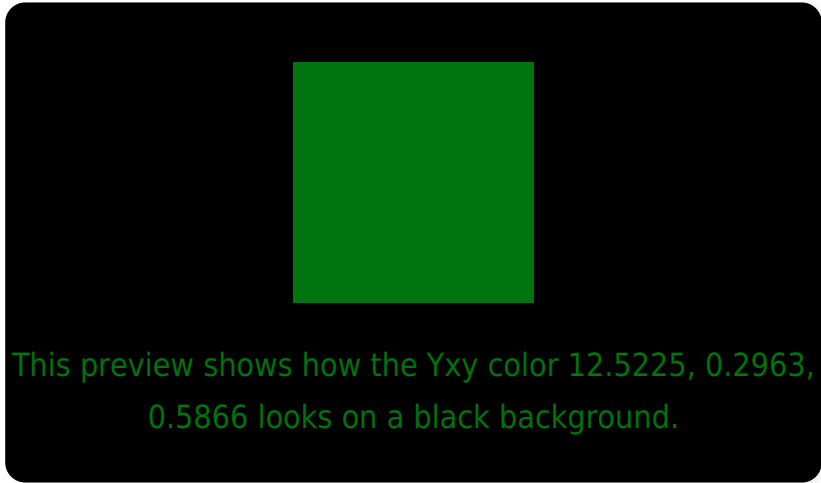
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 12.5225, 0.2963, 0.5866

Background



This preview shows how black text looks on a background with the Yxy color 12.5225, 0.2963, 0.5866.



This preview shows how white text looks on a background with the Yxy color 12.5225, 0.2963, 0.5866.

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

12.5225, 0.2963, 0.5866

Protanopia

12.3860, 0.4369, 0.4837

Deuteranopia

12.3743, 0.4517, 0.4463



Tritanopia

12.6624, 0.2385, 0.3069

Trichromacy



Original Color

12.5225, 0.2963, 0.5866

Protanomaly

11.4647, 0.3624, 0.5392

Deuteranomaly

11.2269, 0.3711, 0.5125

Tritanomaly

12.2394, 0.2611, 0.4151

Monochromacy



Original Color

12.5225, 0.2963, 0.5866

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.6046, 0.3000, 0.4503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5225, 0.2963, 0.5866 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, 116, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 14)  
}
```

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, 116, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 14) }
```

Border

The CSS property to change the border of an element to Yxy 12.5225, 0.2963, 0.5866 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, 116, 14) }
```

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

```
.border{ border-color:rgb(0, 116, 14) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5225, 0.2963, 0.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 14) }
```

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

```
.background{ background-color: rgb(0, 116,  
14) }
```

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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