

Converting Colors

$Y_{xy}(12.0985, 0.3050, 0.5898)$

Have a look what the booklet for
Yxy(12.0985, 0.3050, 0.5898)
contains.

Yxy(12.1742, 0.3051, 0.5901)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1742, 0.3051, 0.5901)

Conversions

Conversions Part 1

Format	Color
Hex	127205
RGB	18, 114, 5
RGB Percent	7%, 45%, 2%
CMY	0.9294, 0.5529, 0.9803
CMYK	0.84, 0.00, 0.96, 0.55
HSL	113°, 92%, 23%
HSV	113°, 96%, 45%
XYZ	6.2944, 12.1742, 2.1621
YIQ	72.8700, -22.2270, -54.2510

Conversions

Conversions Part 2

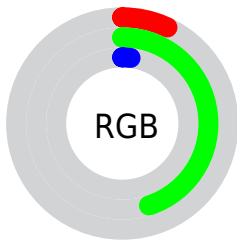
Format	Color
RYB	5, 114, 101
Decimal	1208837
CIELab	41.49, -45.52, 44.96
CIELCh	41, 63.982, 135.350
Yxy	12.1742, 0.3051, 0.5901
Android (android.graphics.Color)	4279398917 (0xFF127205)
YUV	72.8700, -33.4599, -48.1210
Hunter-Lab	34.8915, -28.8588, 20.7501

Details

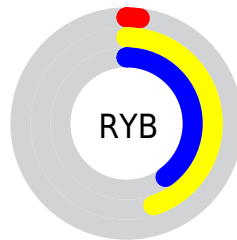
The Yxy color **12.1742, 0.3051, 0.5901** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.0911, 0.2936, 0.1420**, and the grayscale version is **6.7027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8353, 0.3173, 0.5178**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.1251, 0.3046, 0.5964**, and if you desaturate by 10%, it is **12.3213, 0.3074, 0.5743**.

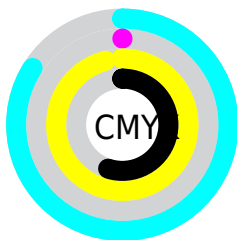
Distribution



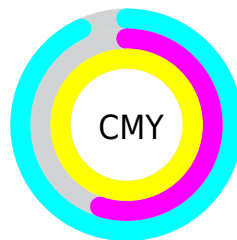
- Red (7%)
- Green (45%)
- Blue (2%)



- Red (2%)
- Yellow (45%)
- Blue (40%)



- Cyan (84%)
- Magenta (0%)
- Yellow (96%)
- Black (55%)




- Cyan (93%)
- Magenta (55%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1742, 0.3051, 0.5901 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 12.1742, 0.3051, 0.5901 by changing the saturation by 10% instead.


 12.1742, 0.3051,
0.5901


 12.1742, 0.3051,
0.5901


205.5552, 0.3212,
0.4223


 6.8624, 0.2899,
0.6485


 29.8120, 0.3173,
0.5180


 3.3762, 0.2605,
0.7395

 42.9068, 0.3195,
0.4944

 1.3312, 0.0686,
0.9314

 59.3647, 0.3206,
0.4758

 0.1651, 0.0000,
1.0000


 79.5702, 0.3212,
0.4608


 0.0000, 0.0000,
0.0000

 103.9075, 0.3214,
0.4486


 132.7612, 0.3214,


0.4383


 166.5156, 0.3214,
0.4297


 12.1742, 0.3051,
0.5901


 12.1742, 0.3051,
0.5901


 12.1251, 0.3046,
0.5964

 12.3213, 0.3074,
0.5743

 12.5319, 0.3097,
0.5522

 12.8146, 0.3115,
0.5244

 13.1756, 0.3129,
0.4929

 13.6199, 0.3137,
0.4600

■ 14.1523, 0.3140,
0.4274

■ 14.7775, 0.3140,
0.3965

■ 15.4993, 0.3136,
0.3679

■ 16.3219, 0.3131,
0.3422

Harmonies

Analogous

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



12.1742, 0.4211, 0.5479



12.1742, 0.3051, 0.5901



12.1742, 0.1968, 0.4904

Triad

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



12.1742, 0.3051, 0.5901



12.1742, 0.1204, 0.1552



12.1742, 0.5333, 0.2880

Complementary

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



12.1742, 0.3051, 0.5901



4.0911, 0.2936, 0.1420

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.



12.1742, 0.4061, 0.2188



12.1742, 0.3051, 0.5901



12.1742, 0.1702, 0.1469

Square

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



12.1742, 0.3051, 0.5901



12.1742, 0.1063, 0.2039



12.1742, 0.2662, 0.1689



12.1742, 0.5721, 0.3650

Rectangle

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



12.1742, 0.3051, 0.5901



12.1742, 0.1450, 0.3721



12.1742, 0.2662, 0.1689



12.1742, 0.4979, 0.2637

Sweetspot

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



12.1747, 0.3051, 0.5901



25.4914, 0.3140, 0.4091



12.6017, 0.4405, 0.4838



5.8126, 0.3140, 0.4193



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.



12.1747, 0.3051, 0.5901



21.2735, 0.3036, 0.5971



12.2567, 0.2811, 0.5258



3.7805, 0.3133, 0.3506



13.4926, 0.3044, 0.5965



67.0042, 0.3025, 0.5980

Inverse Universe

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



4.0911, 0.2936, 0.1420



6.9018, 0.2915, 0.1380



4.1815, 0.4271, 0.2170



3.4343, 0.3120, 0.3081



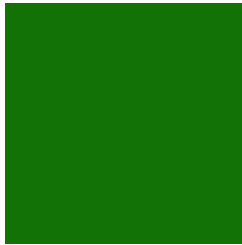
4.3897, 0.2921, 0.1383



21.6207, 0.2905, 0.1374

Previews

White Background



This preview shows how the Yxy color 12.1742, 0.3051, 0.5901 looks on a white background.

Color Contrast Check

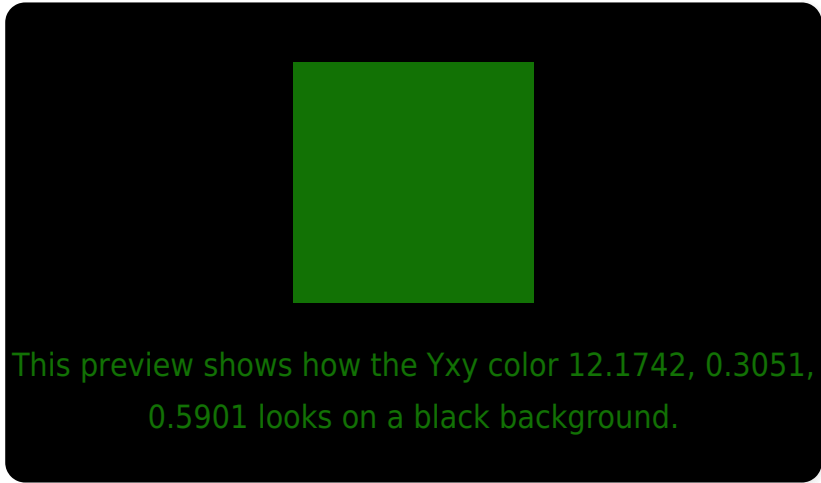
Large Text (above 18pt) WCAG AA ✓ Pass

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

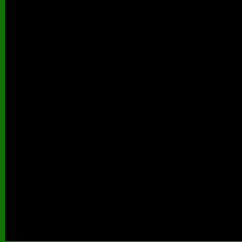
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.1742, 0.3051, 0.5901

Background



This preview shows how black text looks on a background with the Yxy color 12.1742, 0.3051, 0.5901.



This preview shows how white text looks on a background with the Yxy color 12.1742, 0.3051, 0.5901.

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

12.1742, 0.3051, 0.5901

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

12.1098, 0.4544, 0.4489



Tritanopia

12.2240, 0.2399, 0.3067

Trichromacy



Original Color

12.1742, 0.3051, 0.5901

Protanomaly

11.4828, 0.3756, 0.5377

Deuteranomaly

11.2823, 0.3852, 0.5107

Tritanomaly

11.8573, 0.2698, 0.4243

Monochromacy



Original Color

12.1742, 0.3051, 0.5901

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.9497, 0.3141, 0.4547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1742, 0.3051, 0.5901 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(18, 114, 5)` looks like.

```
.text, #text, p{  
    color:rgb(18, 114, 5)  
}
```

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(18, 114, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 114, 5) }
```

Border

The CSS property to change the border of an element to Yxy 12.1742, 0.3051, 0.5901 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(18, 114, 5) }
```

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

```
.border{ border-color:rgb(18, 114, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 114, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 114, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 114, 5);  
box-shadow:4px 4px 4px 4px rgb(18, 114, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1742, 0.3051, 0.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 114, 5) }
```

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

```
.background{ background-color: rgb(18, 114,  
5) }
```

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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