

Converting Colors

$Y_{xy}(11.0867, 0.2330, 0.6080)$

Have a look what the booklet for
Yxy(11.0867, 0.2330, 0.6080)
contains.

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Color

$Y_{xy}(12.1092, 0.2912, 0.5685)$

Conversions

Conversions Part 1

Format	Color
Hex	00721A
RGB	0, 114, 26
RGB Percent	0%, 45%, 10%
CMY	1.0000, 0.5529, 0.8980
CMYK	1.00, 0.00, 0.77, 0.55
HSL	134°, 100%, 22%
HSV	134°, 100%, 45%
XYZ	6.2026, 12.1092, 2.9884
YIQ	69.8820, -39.6960, -51.5360

Conversions

Conversions Part 2

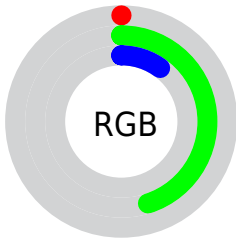
Format	Color
RYB	0, 93, 114
Decimal	29210
CIELab	41.39, -46.06, 38.62
CIELCh	41, 60.111, 140.025
Yxy	12.1092, 0.2912, 0.5685
Android (android.graphics.Color)	4278219290 (0xFF00721A)
YUV	69.8820, -21.6338, -61.2865
Hunter-Lab	34.7983, -29.0802, 19.2671

Details

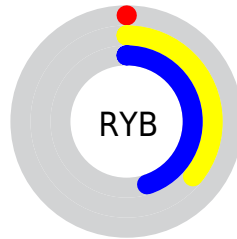
The Yxy color **12.1092, 0.2912, 0.5685** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2822, 0.3853, 0.1896**, and the grayscale version is **6.1465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6957, 0.3047, 0.4998**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.1106, 0.2912, 0.5685**, and if you desaturate by 10%, it is **12.2301, 0.2899, 0.5487**.

Distribution



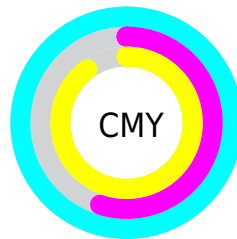
- Red (0%)
- Green (45%)
- Blue (10%)



- Red (0%)
- Yellow (36%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1092, 0.2912, 0.5685 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 12.1092, 0.2912, 0.5685 by changing the saturation by 10% instead.


 12.1092, 0.2912,
0.5685


 12.1092, 0.2912,
0.5685


205.1269, 0.3131,
0.4128


 6.8181, 0.2758,
0.6245


 29.6938, 0.3044,
0.5002


 3.3486, 0.2572,
0.7428

 42.7562, 0.3074,
0.4783


 1.3163, 0.0531,
0.9469

 59.1777, 0.3094,
0.4613

 0.1538, 0.0000,
1.0000


 79.3428, 0.3107,
0.4477


 0.0000, 0.0000,
0.0000


 103.6358, 0.3116,
0.4365


 132.4413, 0.3122,


0.4273

 166.1435, 0.3127,
0.4195


 12.1092, 0.2912,
0.5685

 12.1092, 0.2912,
0.5685


 12.1106, 0.2912,
0.5685

 12.2301, 0.2899,
0.5487

 12.3947, 0.2889,
0.5255

 12.6311, 0.2891,
0.4994

 12.9468, 0.2906,
0.4717

 13.3482, 0.2930,
0.4439

■ 13.8411, 0.2963,
0.4170

■ 14.4310, 0.3001,
0.3918

■ 15.1225, 0.3042,
0.3686

■ 15.9203, 0.3085,
0.3476

Harmonies

Analogous

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



12.1092, 0.4027, 0.5499



12.1092, 0.2912, 0.5685



12.1092, 0.1903, 0.4549

Triad

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



12.1092, 0.2912, 0.5685



12.1092, 0.1330, 0.1592



12.1092, 0.5334, 0.3028

Complementary

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



12.1092, 0.2912, 0.5685



4.2822, 0.3853, 0.1896

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.



12.1092, 0.4228, 0.2337



12.1092, 0.2912, 0.5685



12.1092, 0.1879, 0.1556

Square

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



12.1092, 0.2912, 0.5685



12.1092, 0.1143, 0.2001



12.1092, 0.2878, 0.1814



12.1092, 0.5574, 0.3795

Rectangle

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



12.1092, 0.2912, 0.5685



12.1092, 0.1448, 0.3460



12.1092, 0.2878, 0.1814



12.1092, 0.5042, 0.2787

Sweetspot

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



12.1106, 0.2912, 0.5685



25.2705, 0.2998, 0.3936



14.1748, 0.3831, 0.5341



5.7638, 0.2985, 0.4016



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.



12.1106, 0.2912, 0.5685



21.2625, 0.2923, 0.5724



12.6406, 0.2498, 0.4194



3.7745, 0.3089, 0.3456



13.4776, 0.2915, 0.5693



67.0257, 0.2938, 0.5775

Inverse Universe

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



4.2822, 0.3853, 0.1896



7.5049, 0.3873, 0.1907



3.6837, 0.5715, 0.2922



3.4411, 0.3168, 0.3129



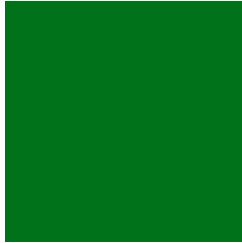
4.7638, 0.3857, 0.1899



23.5952, 0.3901, 0.1922

Previews

White Background



This preview shows how the Yxy color 12.1092, 0.2912, 0.5685 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 12.1092, 0.2912, 0.5685

Background



This preview shows how black text looks on a background with the Yxy color 12.1092, 0.2912, 0.5685.



This preview shows how white text looks on a background with the Yxy color 12.1092, 0.2912, 0.5685.

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

12.1092, 0.2912, 0.5685

Protanopia

12.1083, 0.4279, 0.4735

Deuteranopia

12.0876, 0.4435, 0.4378



Tritanopia

12.1502, 0.2377, 0.3065

Trichromacy



Original Color

12.1092, 0.2912, 0.5685



Protanomaly

11.2646, 0.3553, 0.5245



Deuteranomaly

11.0313, 0.3636, 0.4978



Tritanomaly

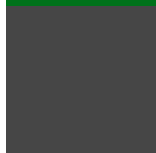
11.8378, 0.2567, 0.4016

Monochromacy



Original Color

12.1092, 0.2912, 0.5685



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

7.4798, 0.2947, 0.4343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1092, 0.2912, 0.5685 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, 114, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 26)  
}
```

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, 114, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 26) }
```

Border

The CSS property to change the border of an element to Yxy 12.1092, 0.2912, 0.5685 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, 114, 26) }
```

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

```
.border{ border-color:rgb(0, 114, 26) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1092, 0.2912, 0.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 26) }
```

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

```
.background{ background-color: rgb(0, 114,  
26) }
```

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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