

Converting Colors

$Y_{xy}(12.0857, 0.2929, 0.5729)$

Have a look what the booklet for
Yxy(12.0857, 0.2929, 0.5729)
contains.

Yxy(12.1029, 0.2930, 0.5734)	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

$Y_{xy}(12.1029, 0.2930, 0.5734)$

Conversions

Conversions Part 1

Format	Color
Hex	017217
RGB	1, 114, 23
RGB Percent	0%, 45%, 9%
CMY	0.9960, 0.5529, 0.9099
CMYK	0.99, 0.00, 0.80, 0.55
HSL	132°, 98%, 23%
HSV	132°, 99%, 45%
XYZ	6.1844, 12.1029, 2.8199
YIQ	69.8390, -38.1370, -52.2570

Conversions

Conversions Part 2

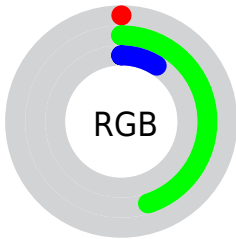
Format	Color
RYB	1, 96, 114
Decimal	94743
CIELab	41.38, -46.22, 39.76
CIELCh	41, 60.965, 139.298
Yxy	12.1029, 0.2930, 0.5734
Android (android.graphics.Color)	4278284823 (0xFF017217)
YUV	69.8390, -23.0916, -60.3718
Hunter-Lab	34.7892, -29.1495, 19.5466

Details

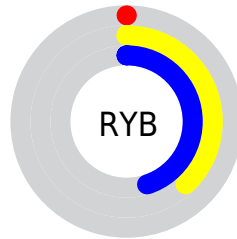
The Yxy color **12.1029, 0.2930, 0.5734** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.3726, 0.3738, 0.1840**, and the grayscale version is **6.1409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6683, 0.3059, 0.5032**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.0937, 0.2930, 0.5749**, and if you desaturate by 10%, it is **12.2214, 0.2919, 0.5541**.

Distribution



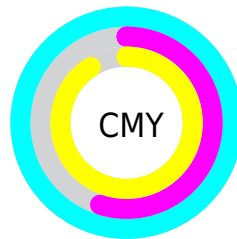
- Red (0%)
- Green (45%)
- Blue (9%)



- Red (0%)
- Yellow (38%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (80%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1029, 0.2930, 0.5734 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 12.1029, 0.2930, 0.5734 by changing the saturation by 10% instead.


 12.1029, 0.2930,
0.5734


 12.1029, 0.2930,
0.5734


205.0853, 0.3142,
0.4147


 6.8138, 0.2773,
0.6299


 29.6824, 0.3062,
0.5040


 3.3459, 0.2563,
0.7437

 42.7415, 0.3091,
0.4817

 1.3149, 0.0499,
0.9501

 59.1595, 0.3110,
0.4643

 0.1527, 0.0000,
1.0000

 79.3207, 0.3122,
0.4504


 0.0000, 0.0000,
0.0000


 103.6095, 0.3130,
0.4390

 132.4102, 0.3136,


0.4295


 166.1074, 0.3140,
0.4215


 12.1029, 0.2930,
0.5734


 12.1029, 0.2930,
0.5734

 12.0937, 0.2930,
0.5749

 12.2214, 0.2919,
0.5541

 12.3895, 0.2911,
0.5306

 12.6310, 0.2914,
0.5039

 12.9535, 0.2929,
0.4754

 13.3634, 0.2952,
0.4466

■ 13.8666, 0.2982,
0.4186

■ 14.4686, 0.3017,
0.3924

■ 15.1741, 0.3055,
0.3683

■ 15.9879, 0.3093,
0.3466

Harmonies

Analogous

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



12.1029, 0.4055, 0.5506



12.1029, 0.2930, 0.5734



12.1029, 0.1906, 0.4609

Triad

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



12.1029, 0.2930, 0.5734



12.1029, 0.1304, 0.1579



12.1029, 0.5346, 0.3003

Complementary

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



12.1029, 0.2930, 0.5734



4.3726, 0.3738, 0.1840

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.



12.1029, 0.4209, 0.2310



12.1029, 0.2930, 0.5734



12.1029, 0.1847, 0.1536

Square

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



12.1029, 0.2930, 0.5734



12.1029, 0.1124, 0.2000



12.1029, 0.2843, 0.1789



12.1029, 0.5607, 0.3772

Rectangle

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



12.1029, 0.2930, 0.5734



12.1029, 0.1440, 0.3497



12.1029, 0.2843, 0.1789



12.1029, 0.5044, 0.2761

Sweetspot

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



12.1034, 0.2930, 0.5734



25.2369, 0.3011, 0.3966



14.3794, 0.3886, 0.5288



5.7556, 0.3000, 0.4049



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.



12.1034, 0.2930, 0.5734



21.2360, 0.2940, 0.5785



12.5948, 0.2530, 0.4299



3.7729, 0.3093, 0.3464



13.4600, 0.2933, 0.5757



66.9501, 0.2953, 0.5832

Inverse Universe

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



4.3726, 0.3738, 0.1840



7.6217, 0.3761, 0.1845



3.7317, 0.5566, 0.2852



3.4429, 0.3163, 0.3122



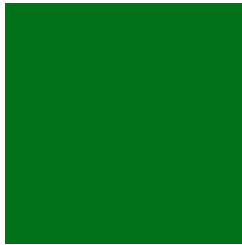
4.8368, 0.3748, 0.1839



23.9724, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 12.1029, 0.2930, 0.5734 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 12.1029, 0.2930, 0.5734 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 12.1029, 0.2930, 0.5734

Background



This preview shows how black text looks on a background with the Yxy color 12.1029, 0.2930, 0.5734.



This preview shows how white text looks on a background with the Yxy color 12.1029, 0.2930, 0.5734.

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

12.1029, 0.2930, 0.5734

Protanopia

12.0974, 0.4299, 0.4765

Deuteranopia

12.0761, 0.4455, 0.4405



Tritanopia

12.1502, 0.2377, 0.3065

Trichromacy



Original Color

12.1029, 0.2930, 0.5734



Protanomaly

11.2532, 0.3571, 0.5286



Deuteranomaly

11.0158, 0.3661, 0.5030



Tritanomaly

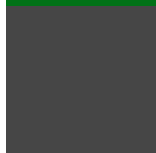
11.8225, 0.2576, 0.4046

Monochromacy



Original Color

12.1029, 0.2930, 0.5734



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

7.4705, 0.2960, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1029, 0.2930, 0.5734 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(1, 114, 23)` looks like.

```
.text, #text, p{  
    color:rgb(1, 114, 23)  
}
```

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(1, 114, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 114, 23) }
```

Border

The CSS property to change the border of an element to Yxy 12.1029, 0.2930, 0.5734 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(1, 114, 23) }
```

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

```
.border{ border-color:rgb(1, 114, 23) }
```

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

Here you see how a box with a 4 pixel rgb(1, 114, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 114, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 114, 23);  
box-shadow:4px 4px 4px 4px rgb(1, 114, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1029, 0.2930, 0.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 114, 23) }
```

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

```
.background{ background-color: rgb(1, 114,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor