

Converting Colors

$Y_{xy}(14.1940, 0.2979, 0.5768)$

Have a look what the booklet for
Yxy(14.1940, 0.2979, 0.5768)
contains.

Yxy(14.3056, 0.2981, 0.5775)	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(14.3056, 0.2981, 0.5775)

Conversions

Conversions Part 1

Format	Color
Hex	0D7B15
RGB	13, 123, 21
RGB Percent	5%, 48%, 8%
CMY	0.9490, 0.5176, 0.9176
CMYK	0.89, 0.00, 0.83, 0.52
HSL	124°, 81%, 27%
HSV	124°, 89%, 48%
XYZ	7.3844, 14.3056, 3.0816
YIQ	78.4820, -32.8180, -55.0420

Conversions

Conversions Part 2

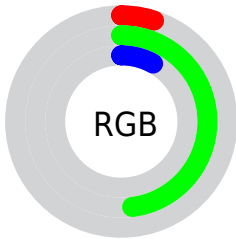
Format	Color
RYB	13, 116, 123
Decimal	883477
CIELab	44.67, -48.15, 43.65
CIELCh	45, 64.990, 137.805
Yxy	14.3056, 0.2981, 0.5775
Android (android.graphics.Color)	4279073557 (0xFF0D7B15)
YUV	78.4820, -28.3386, -57.4277
Hunter-Lab	37.8227, -31.3399, 21.6453

Details

The Yxy color **14.3056, 0.2981, 0.5775** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.7372, 0.3368, 0.1694**, and the grayscale version is **7.7755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7777, 0.3100, 0.5101**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.1920, 0.2980, 0.5919**, and if you desaturate by 10%, it is **14.4836, 0.2981, 0.5565**.

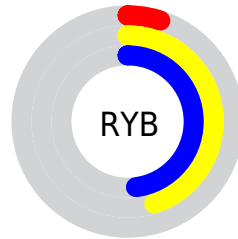
Distribution



Red (5%)

Green (48%)

Blue (8%)



Red (5%)

Yellow (45%)

Blue (48%)

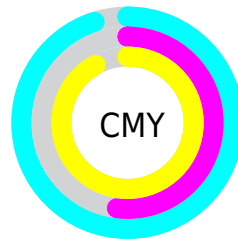


Cyan (89%)

Magenta (0%)

Yellow (83%)

Black (52%)



Cyan (95%)


Magenta (52%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3056, 0.2981, 0.5775 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 14.3056, 0.2981, 0.5775 by changing the saturation by 10% instead.


 14.3056, 0.2981,
0.5775


 14.3056, 0.2981,
0.5775


219.1238, 0.3168,
0.4199


 8.3335, 0.2838,
0.6303


 33.6303, 0.3102,
0.5103


 4.3091, 0.2662,
0.7338

 47.7517, 0.3128,
0.4882


 1.8479, 0.1661,
0.8339

 65.3583, 0.3144,
0.4707

 0.5168, 0.0000,
1.0000


 86.8346, 0.3154,
0.4566


 0.0000, 0.0000,
0.0000

 112.5649, 0.3160,
0.4450


 142.9336, 0.3164,


0.4352


 178.3251, 0.3166,
0.4270


 14.3056, 0.2981,
0.5775


 14.3056, 0.2981,
0.5775


 14.1920, 0.2980,
0.5919


 14.4836, 0.2981,
0.5565

 14.1860, 0.2980,
0.5926

 14.7516, 0.2988,
0.5298

 15.1202, 0.3001,
0.4992

 15.5982, 0.3018,
0.4668

 16.1932, 0.3039,
0.4346

■ 16.9123, 0.3062,
0.4039

■ 17.7620, 0.3084,
0.3757

■ 18.7483, 0.3107,
0.3503

■ 19.8768, 0.3128,
0.3278

Harmonies

Analogous

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



14.3056, 0.4111, 0.5482



14.3056, 0.2981, 0.5775



14.3056, 0.1940, 0.4703

Triad

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



14.3056, 0.2981, 0.5775



14.3056, 0.1277, 0.1580



14.3056, 0.5324, 0.2962

Complementary

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



14.3056, 0.2981, 0.5775



5.7372, 0.3368, 0.1694

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.



14.3056, 0.4147, 0.2272



14.3056, 0.2981, 0.5775



14.3056, 0.1801, 0.1521

Square

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



14.3056, 0.2981, 0.5775



14.3056, 0.1112, 0.2024



14.3056, 0.2779, 0.1761



14.3056, 0.5632, 0.3729

Rectangle

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



14.3056, 0.2981, 0.5775



14.3056, 0.1456, 0.3577



14.3056, 0.2779, 0.1761



14.3056, 0.5005, 0.2721

Sweetspot

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



14.3062, 0.2981, 0.5775



30.5350, 0.3066, 0.3988



17.8858, 0.4057, 0.5070



7.0998, 0.3059, 0.4069



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.3062, 0.2981, 0.5775



25.3933, 0.2985, 0.5946



14.7647, 0.2632, 0.4555



4.4543, 0.3108, 0.3494



14.6745, 0.2980, 0.5928



69.9486, 0.2990, 0.5966

Inverse Universe

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



5.7372, 0.3368, 0.1694



9.7098, 0.3398, 0.1646



4.8327, 0.4865, 0.2571



4.0727, 0.3147, 0.3094



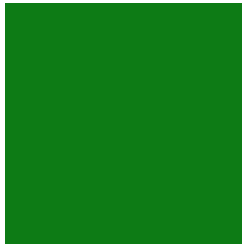
5.6141, 0.3394, 0.1643



26.7259, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 14.3056, 0.2981, 0.5775 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 14.3056, 0.2981, 0.5775 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 14.3056, 0.2981, 0.5775

Background



This preview shows how black text looks on a background with the Yxy color 14.3056, 0.2981, 0.5775.



This preview shows how white text looks on a background with the Yxy color 14.3056, 0.2981, 0.5775.

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

14.3056, 0.2981, 0.5775

Protanopia

14.0625, 0.4345, 0.4792

Deuteranopia

14.1297, 0.4499, 0.4431



Tritanopia

14.2199, 0.2380, 0.3057

Trichromacy



Original Color

14.3056, 0.2981, 0.5775

Protanomaly

13.3375, 0.3654, 0.5290

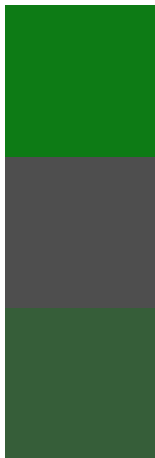
Deuteranomaly

12.9377, 0.3763, 0.5017

Tritanomaly

13.8228, 0.2618, 0.4075

Monochromacy



Original Color

14.3056, 0.2981, 0.5775

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.0851, 0.3034, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3056, 0.2981, 0.5775 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(13, 123, 21)` looks like.

```
.text, #text, p{  
    color:rgb(13, 123, 21)  
}
```

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(13, 123, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 123, 21) }
```

Border

The CSS property to change the border of an element to Yxy 14.3056, 0.2981, 0.5775 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(13, 123, 21) }
```

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

```
.border{ border-color:rgb(13, 123, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 123, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 123, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 123, 21);  
box-shadow:4px 4px 4px 4px rgb(13, 123,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3056, 0.2981, 0.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 123, 21) }
```

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

```
.background{ background-color: rgb(13, 123,  
21) }
```

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