

Converting Colors

$Y_{xy}(14.0604, 0.3069, 0.5945)$

Have a look what the booklet for
Yxy(14.0604, 0.3069, 0.5945)
contains.

Yxy(14.0785, 0.3069, 0.5945)	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(14.0785, 0.3069, 0.5945)

Conversions

Conversions Part 1

Format	Color
Hex	157A00
RGB	21, 122, 0
RGB Percent	8%, 48%, 0%
CMY	0.9179, 0.5215, 0.9999
CMYK	0.83, 0.00, 1.00, 0.52
HSL	110°, 100%, 24%
HSV	110°, 100%, 48%
XYZ	7.2678, 14.0785, 2.3350
YIQ	77.8930, -21.0340, -59.3540

Conversions

Conversions Part 2

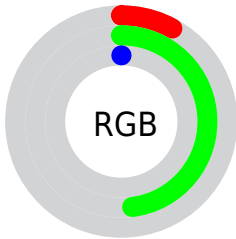
Format	Color
RYB	0, 122, 101
Decimal	1407488
CIELab	44.35, -47.89, 48.48
CIELCh	44, 68.142, 134.648
Yxy	14.0785, 0.3069, 0.5945
Android (android.graphics.Color)	4279597568 (0xFF157A00)
YUV	77.8930, -38.4012, -49.8952
Hunter-Lab	37.5213, -31.0874, 22.5753

Details

The Yxy color **14.0785, 0.3069, 0.5945** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.1786, 0.2794, 0.1313**, and the grayscale version is **7.6713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4247, 0.3191, 0.5248**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.0788, 0.3069, 0.5945**, and if you desaturate by 10%, it is **14.2394, 0.3095, 0.5803**.

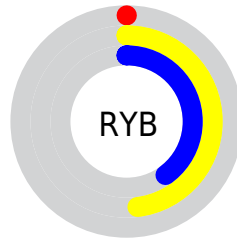
Distribution



Red (8%)

Green (48%)

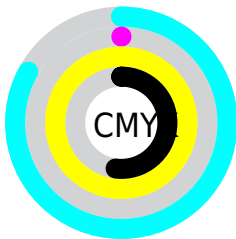
Blue (0%)



Red (0%)

Yellow (48%)

Blue (40%)

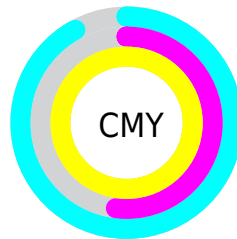


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (92%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0785, 0.3069, 0.5945 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 14.0785, 0.3069, 0.5945 by changing the saturation by 10% instead.


 14.0785, 0.3069,
0.5945


 14.0785, 0.3069,
0.5945


217.7186, 0.3226,
0.4273


 8.1753, 0.2918,
0.6486


 33.2282, 0.3189,
0.5243


 4.2073, 0.2656,
0.7344

 47.2436, 0.3211,
0.5008

 1.7902, 0.1598,
0.8402

 64.7317, 0.3222,
0.4820

 0.4811, 0.0000,
1.0000


 86.0771, 0.3228,
0.4669


 0.0000, 0.0000,
0.0000

 111.6641, 0.3230,
0.4544


 141.8771, 0.3230,


0.4439


 177.1004, 0.3228,
0.4350

 14.0785, 0.3069,
0.5945


 14.0785, 0.3069,
0.5945


 14.0788, 0.3069,
0.5945

 14.2394, 0.3095,
0.5803

 14.4626, 0.3124,
0.5613

 14.7622, 0.3147,
0.5360

 15.1445, 0.3162,
0.5063

 15.6154, 0.3169,
0.4741

■ 16.1800, 0.3169,
0.4415

■ 16.8430, 0.3164,
0.4099

■ 17.6089, 0.3154,
0.3803

■ 18.4820, 0.3141,
0.3532

Harmonies

Analogous

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



14.0785, 0.4237, 0.5476



14.0785, 0.3069, 0.5945



14.0785, 0.1972, 0.4971

Triad

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



14.0785, 0.3069, 0.5945



14.0785, 0.1180, 0.1540



14.0785, 0.5342, 0.2854

Complementary

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



14.0785, 0.3069, 0.5945



4.1786, 0.2794, 0.1313

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.



14.0785, 0.4037, 0.2161



14.0785, 0.3069, 0.5945



14.0785, 0.1670, 0.1449

Square

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



14.0785, 0.3069, 0.5945



14.0785, 0.1044, 0.2040



14.0785, 0.2626, 0.1664



14.0785, 0.5754, 0.3625

Rectangle

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



14.0785, 0.3069, 0.5945



14.0785, 0.1444, 0.3767



14.0785, 0.2626, 0.1664



14.0785, 0.4976, 0.2610

Sweetspot

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



14.0791, 0.3069, 0.5945



29.5359, 0.3164, 0.4122



13.1840, 0.4544, 0.4774



6.6601, 0.3166, 0.4227



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.0791, 0.3069, 0.5945



24.7221, 0.3058, 0.5954



14.0648, 0.2859, 0.5493



4.4799, 0.3140, 0.3509



14.8185, 0.3068, 0.5946



70.4229, 0.3045, 0.5964

Inverse Universe

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



4.1786, 0.2794, 0.1313



7.2981, 0.2784, 0.1307



4.7690, 0.4167, 0.2069



4.0444, 0.3112, 0.3077



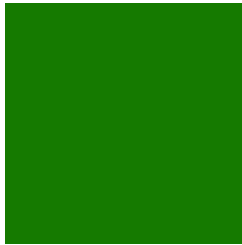
4.3950, 0.2793, 0.1312



20.6403, 0.2771, 0.1300

Previews

White Background



This preview shows how the Yxy color 14.0785, 0.3069, 0.5945 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

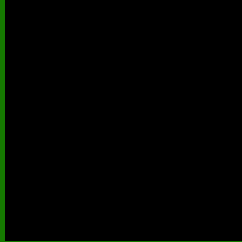
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0785, 0.3069, 0.5945

Background



This preview shows how black text looks on a background with the Yxy color 14.0785, 0.3069, 0.5945.



This preview shows how white text looks on a background with the Yxy color 14.0785, 0.3069, 0.5945.

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

14.0785, 0.3069, 0.5945

Protanopia

13.9547, 0.4392, 0.4894

Deuteranopia

13.8236, 0.4557, 0.4497



Tritanopia

14.0246, 0.2397, 0.3056

Trichromacy



Original Color

14.0785, 0.3069, 0.5945

Protanomaly

13.2079, 0.3773, 0.5386

Deuteranomaly

12.7800, 0.3879, 0.5124

Tritanomaly

13.5331, 0.2724, 0.4299

Monochromacy



Original Color

14.0785, 0.3069, 0.5945

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.1056, 0.3162, 0.4595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0785, 0.3069, 0.5945 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(21, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 122, 0)  
}
```

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(21, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.0785, 0.3069, 0.5945 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(21, 122, 0) }
```

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

```
.border{ border-color:rgb(21, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(21, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0785, 0.3069, 0.5945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 122, 0) }
```

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

```
.background{ background-color: rgb(21, 122,  
0) }
```

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