

Converting Colors

$Y_{xy}(16.6822, 0.3006, 0.5995)$

Have a look what the booklet for
Yxy(16.6822, 0.3006, 0.5995)
contains.

Yxy(16.7944, 0.3007, 0.5994)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7944, 0.3007, 0.5994)

Conversions

Conversions Part 1

Format	Color
Hex	038500
RGB	3, 133, 0
RGB Percent	1%, 52%, 0%
CMY	0.9883, 0.4784, 0.9998
CMYK	0.98, 0.00, 1.00, 0.48
HSL	119°, 100%, 26%
HSV	119°, 100%, 52%
XYZ	8.4252, 16.7944, 2.7991
YIQ	78.9680, -34.7870, -68.9230

Conversions

Conversions Part 2

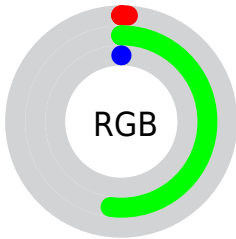
Format	Color
RYB	0, 133, 130
Decimal	230656
CIELab	48.00, -52.92, 51.32
CIELCh	48, 73.719, 135.882
Yxy	16.7944, 0.3007, 0.5994
Android (android.graphics.Color)	4278420736 (0xFF038500)
YUV	78.9680, -38.9312, -66.6239
Hunter-Lab	40.9810, -35.0191, 24.6371

Details

The Yxy color **16.7944, 0.3007, 0.5994** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.4463, 0.3156, 0.1512**, and the grayscale version is **7.8947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8071, 0.3139, 0.5302**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.7946, 0.3007, 0.5994**, and if you desaturate by 10%, it is **16.9158, 0.3013, 0.5875**.

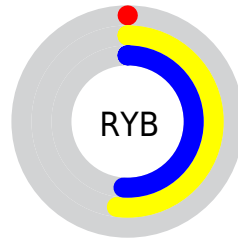
Distribution



Red (1%)

Green (52%)

Blue (0%)



Red (0%)

Yellow (52%)

Blue (51%)

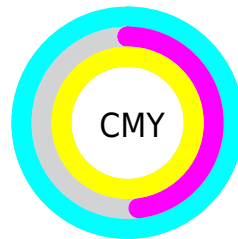


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (99%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7944, 0.3007, 0.5994 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 16.7944, 0.3007, 0.5994 by changing the saturation by 10% instead.


 16.7944, 0.3007,
0.5994


 16.7944, 0.3007,
0.5994


233.9848, 0.3203,
0.4324


 10.0880, 0.2852,
0.6507


 37.9719, 0.3139,
0.5306


 5.4574, 0.2626,
0.7374

 53.2119, 0.3167,
0.5071


 2.5180, 0.1930,
0.8070

 72.0651, 0.3184,
0.4883

 0.8856, 0.0000,
1.0000

 94.9161, 0.3193,
0.4729

 0.0000, 0.0000,
0.0000

 122.1491, 0.3199,
0.4602

 154.1487, 0.3202,


0.4495


 191.2991, 0.3203,
0.4403


 16.7944, 0.3007,
0.5994


 16.7944, 0.3007,
0.5994


 16.7946, 0.3007,
0.5994

 16.9158, 0.3013,
0.5875

 17.1145, 0.3025,
0.5696

 17.4211, 0.3039,
0.5444

 17.8479, 0.3054,
0.5137

 18.4056, 0.3070,
0.4799

■ 19.1036, 0.3084,
0.4455

■ 19.9507, 0.3098,
0.4122

■ 20.9547, 0.3109,
0.3814

■ 22.1229, 0.3119,
0.3535

Harmonies

Analogous

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



16.7944, 0.4190, 0.5537



16.7944, 0.3007, 0.5994



16.7944, 0.1908, 0.4938

Triad

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



16.7944, 0.3007, 0.5994



16.7944, 0.1168, 0.1504



16.7944, 0.5422, 0.2872

Complementary

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



16.7944, 0.3007, 0.5994



6.4463, 0.3156, 0.1512

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.



16.7944, 0.4116, 0.2169



16.7944, 0.3007, 0.5994



16.7944, 0.1678, 0.1429

Square

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



16.7944, 0.3007, 0.5994



16.7944, 0.1017, 0.1984



16.7944, 0.2667, 0.1657



16.7944, 0.5789, 0.3651

Rectangle

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



16.7944, 0.3007, 0.5994



16.7944, 0.1391, 0.3698



16.7944, 0.2667, 0.1657



16.7944, 0.5063, 0.2626

Sweetspot

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



16.7951, 0.3007, 0.5994



35.6067, 0.3097, 0.4146



20.5745, 0.4251, 0.5007



7.8943, 0.3092, 0.4263



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.7951, 0.3007, 0.5994



30.0654, 0.3005, 0.5996



17.1250, 0.2742, 0.5070



5.2093, 0.3120, 0.3514



15.9971, 0.3007, 0.5994



0.0557, 0.3040, 0.5968

Inverse Universe

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



6.4463, 0.3156, 0.1512



11.5317, 0.3155, 0.1511



5.4425, 0.4765, 0.2399



4.7577, 0.3134, 0.3076



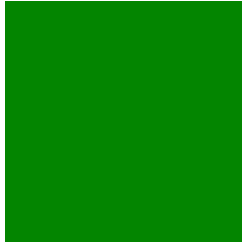
6.1391, 0.3156, 0.1512



0.0217, 0.3184, 0.1528

Previews

White Background



This preview shows how the Yxy color 16.7944, 0.3007, 0.5994 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 16.7944, 0.3007, 0.5994

Background



This preview shows how black text looks on a background with the Yxy color 16.7944, 0.3007, 0.5994.



This preview shows how white text looks on a background with the Yxy color 16.7944, 0.3007, 0.5994.

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

16.7944, 0.3007, 0.5994

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6535, 0.4565, 0.4495



Tritanopia

16.9773, 0.2378, 0.3072

Trichromacy



Original Color

16.7944, 0.3007, 0.5994



Protanomaly

15.5137, 0.3668, 0.5469



Deuteranomaly

15.0416, 0.3776, 0.5218



Tritanomaly

16.2279, 0.2670, 0.4337

Monochromacy



Original Color

16.7944, 0.3007, 0.5994



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

9.8578, 0.3072, 0.4729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7944, 0.3007, 0.5994 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(3, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 133, 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(3, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7944, 0.3007, 0.5994 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(3, 133, 0) }
```

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

```
.border{ border-color:rgb(3, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 133, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 133, 0); box-shadow:4px  
4px 4px 4px rgb(3, 133, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7944, 0.3007, 0.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 133, 0) }
```

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

```
.background{ background-color: rgb(3, 133,  
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](#).

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