

Converting Colors

$Y_{xy}(14.9835, 0.3280, 0.5778)$

Have a look what the booklet for
Yxy(14.9835, 0.3280, 0.5778)
contains.

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Color

Yxy(14.8697, 0.3282, 0.5776)

Conversions

Conversions Part 1

Format	Color
Hex	337B00
RGB	51, 123, 0
RGB Percent	20%, 48%, 0%
CMY	0.7999, 0.5176, 0.9999
CMYK	0.59, 0.00, 1.00, 0.52
HSL	95°, 100%, 24%
HSV	95°, 100%, 48%
XYZ	8.4492, 14.8697, 2.4251
YIQ	87.4500, -3.4290, -53.5170

Conversions

Conversions Part 2

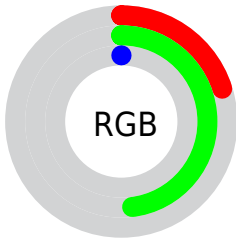
Format	Color
RYB	0, 123, 72
Decimal	3373824
CIELab	45.46, -41.74, 49.69
CIELCh	45, 64.894, 130.035
Yxy	14.8697, 0.3282, 0.5776
Android (android.graphics.Color)	4281563904 (0xFF337B00)
YUV	87.4500, -43.1128, -31.9666
Hunter-Lab	38.5612, -28.3710, 23.2642

Details

The Yxy color **14.8697, 0.3282, 0.5776** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.8078, 0.2231, 0.1003**, and the grayscale version is **9.7310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5353, 0.3346, 0.5139**, and **4.7651, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.8700, 0.3282, 0.5776**, and if you desaturate by 10%, it is **15.0994, 0.3323, 0.5632**.

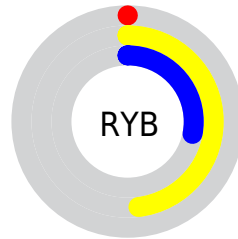
Distribution



Red (20%)

Green (48%)

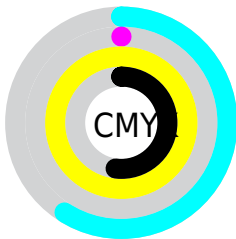
Blue (0%)



Red (0%)

Yellow (48%)

Blue (28%)

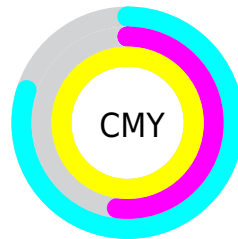


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (80%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8697, 0.3282, 0.5776 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 14.8697, 0.3282, 0.5776 by changing the saturation by 10% instead.


 14.8697, 0.3282,
0.5776


 14.8697, 0.3282,
0.5776


222.5762, 0.3307,
0.4242


 8.7280, 0.3178,
0.6249


 34.6244, 0.3344,
0.5144

 4.5642, 0.2996,
0.7004

 49.0062, 0.3348,
0.4928


 1.9939, 0.2334,
0.7666

 66.9035, 0.3345,
0.4755

 0.6039, 0.0000,
1.0000


 88.7007, 0.3339,
0.4614

 0.0000, 0.0000,
0.0000

 114.7822, 0.3331,
0.4497


 145.5323, 0.3323,


0.4398

 181.3355, 0.3314,
0.4314


 14.8697, 0.3282,
0.5776


 14.8697, 0.3282,
0.5776

 14.8700, 0.3282,
0.5776

 15.0994, 0.3323,
0.5632

 15.3727, 0.3355,
0.5451

 15.7006, 0.3370,
0.5220

 16.0870, 0.3367,
0.4953

 16.5354, 0.3348,
0.4663

■ 17.0489, 0.3316,
0.4365

■ 17.6303, 0.3275,
0.4072

■ 18.2823, 0.3228,
0.3792

■ 19.0074, 0.3178,
0.3530

Harmonies

Analogous

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



14.8697, 0.4384, 0.5258



14.8697, 0.3282, 0.5776



14.8697, 0.2198, 0.5071

Triad

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



14.8697, 0.3282, 0.5776



14.8697, 0.1221, 0.1669



14.8697, 0.5058, 0.2783

Complementary

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



14.8697, 0.3282, 0.5776



2.8078, 0.2231, 0.1003

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.



14.8697, 0.3770, 0.2130



14.8697, 0.3282, 0.5776



14.8697, 0.1642, 0.1524

Square

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



14.8697, 0.3282, 0.5776



14.8697, 0.1143, 0.2243



14.8697, 0.2488, 0.1688



14.8697, 0.5617, 0.3528

Rectangle

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



14.8697, 0.3282, 0.5776



14.8697, 0.1637, 0.4001



14.8697, 0.2488, 0.1688



14.8697, 0.4677, 0.2550

Sweetspot

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



14.8703, 0.3282, 0.5776



31.4890, 0.3279, 0.4094



8.8143, 0.5124, 0.4313



7.3281, 0.3294, 0.4195



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.



14.8703, 0.3282, 0.5776



26.5479, 0.3265, 0.5789



14.1885, 0.2977, 0.5916



4.5236, 0.3174, 0.3507



15.3800, 0.3281, 0.5777



72.8892, 0.3245, 0.5805

Inverse Universe

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



2.8078, 0.2231, 0.1003



4.9416, 0.2209, 0.0990



5.3980, 0.3422, 0.1659



3.9986, 0.3077, 0.3075



2.9008, 0.2229, 0.1002



13.3290, 0.2182, 0.0976

Previews

White Background



This preview shows how the Yxy color 14.8697, 0.3282, 0.5776 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 14.8697, 0.3282, 0.5776 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 14.8697, 0.3282, 0.5776

Background



This preview shows how black text looks on a background with the Yxy color 14.8697, 0.3282, 0.5776.



This preview shows how white text looks on a background with the Yxy color 14.8697, 0.3282, 0.5776.

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

14.8697, 0.3282, 0.5776

Protanopia

14.5803, 0.4404, 0.4885

Deuteranopia

14.7282, 0.4567, 0.4505



Tritanopia

14.7920, 0.2524, 0.3065

Trichromacy



Original Color

14.8697, 0.3282, 0.5776

Protanomaly

14.2971, 0.3942, 0.5252

Deuteranomaly

14.1354, 0.4040, 0.5016

Tritanomaly

14.3439, 0.2905, 0.4242

Monochromacy



Original Color

14.8697, 0.3282, 0.5776

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.8460, 0.3335, 0.4482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8697, 0.3282, 0.5776 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(51, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 123, 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(51, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.8697, 0.3282, 0.5776 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(51, 123, 0) }
```

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

```
.border{ border-color:rgb(51, 123, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 123, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8697, 0.3282, 0.5776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 123, 0) }
```

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

```
.background{ background-color: rgb(51, 123,  
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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