

Converting Colors

$Y_{xy}(14.7484, 0.3211, 0.5833)$

Have a look what the booklet for
Yxy(14.7484, 0.3211, 0.5833)
contains.

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Color

Yxy(14.6795, 0.3210, 0.5833)

Conversions

Conversions Part 1

Format	Color
Hex	2B7B00
RGB	43, 123, 0
RGB Percent	17%, 48%, 0%
CMY	0.8315, 0.5176, 0.9999
CMYK	0.65, 0.00, 1.00, 0.52
HSL	99°, 100%, 24%
HSV	99°, 100%, 48%
XYZ	8.0784, 14.6795, 2.4084
YIQ	85.0580, -8.1970, -55.2130

Conversions

Conversions Part 2

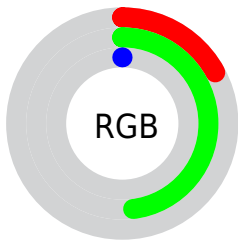
Format	Color
RYB	0, 123, 80
Decimal	2849536
CIELab	45.19, -43.92, 49.36
CIELCh	45, 66.074, 131.663
Yxy	14.6795, 0.3210, 0.5833
Android (android.graphics.Color)	4281039616 (0xFF2B7B00)
YUV	85.0580, -41.9336, -36.8849
Hunter-Lab	38.3138, -29.4129, 23.0927

Details

The Yxy color **14.6795, 0.3210, 0.5833** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.1394, 0.2375, 0.1082**, and the grayscale version is **9.1874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1189, 0.3287, 0.5174**, and **4.7651, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.6796, 0.3210, 0.5833**, and if you desaturate by 10%, it is **14.8976, 0.3250, 0.5686**.

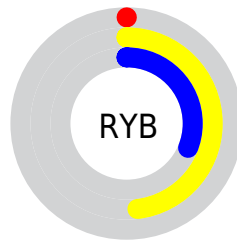
Distribution



Red (17%)

Green (48%)

Blue (0%)



Red (0%)

Yellow (48%)

Blue (31%)

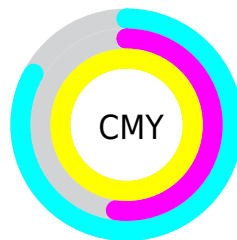


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (83%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.6795, 0.3210, 0.5833 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 14.6795, 0.3210, 0.5833 by changing the saturation by 10% instead.


 14.6795, 0.3210,
0.5833


 14.6795, 0.3210,
0.5833


221.4180, 0.3279,
0.4254


 8.5948, 0.3090,
0.6328


 34.2899, 0.3292,
0.5179


 4.4778, 0.2884,
0.7116

 48.5844, 0.3301,
0.4956


 1.9443, 0.2130,
0.7870

 66.3843, 0.3303,
0.4778

 0.5748, 0.0000,
1.0000


 88.0739, 0.3301,
0.4634


 0.0000, 0.0000,
0.0000

 114.0377, 0.3296,
0.4514


 144.6601, 0.3291,

0.4413


 180.3254, 0.3285,
0.4327


 14.6795, 0.3210,
0.5833


 14.6795, 0.3210,
0.5833


 14.6796, 0.3210,
0.5833

 14.8976, 0.3250,
0.5686

 15.1650, 0.3285,
0.5500

 15.4931, 0.3304,
0.5262

 15.8864, 0.3308,
0.4984

 16.3488, 0.3298,
0.4685

■ 16.8837, 0.3275,
0.4379

■ 17.4944, 0.3245,
0.4079

■ 18.1840, 0.3208,
0.3795

■ 18.9554, 0.3168,
0.3530

Harmonies

Analogous

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



14.6795, 0.4335, 0.5330



14.6795, 0.3210, 0.5833



14.6795, 0.2121, 0.5039

Triad

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



14.6795, 0.3210, 0.5833



14.6795, 0.1207, 0.1624



14.6795, 0.5155, 0.2808

Complementary

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



14.6795, 0.3210, 0.5833



3.1394, 0.2375, 0.1082

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.



14.6795, 0.3860, 0.2141



14.6795, 0.3210, 0.5833



14.6795, 0.1651, 0.1498

Square

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



14.6795, 0.3210, 0.5833



14.6795, 0.1109, 0.2172



14.6795, 0.2535, 0.1680



14.6795, 0.5666, 0.3563

Rectangle

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



14.6795, 0.3210, 0.5833



14.6795, 0.1570, 0.3922



14.6795, 0.2535, 0.1680



14.6795, 0.4778, 0.2572

Sweetspot

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



14.6801, 0.3210, 0.5833



31.2368, 0.3247, 0.4102



9.9436, 0.4945, 0.4455



7.2641, 0.3259, 0.4205



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.



14.6801, 0.3210, 0.5833



26.2109, 0.3194, 0.5846



14.2126, 0.2954, 0.5833



4.5117, 0.3165, 0.3507



15.1818, 0.3209, 0.5834



71.9855, 0.3175, 0.5861

Inverse Universe

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



3.1394, 0.2375, 0.1082



5.5375, 0.2355, 0.1071



5.2229, 0.3613, 0.1764



4.0108, 0.3086, 0.3076



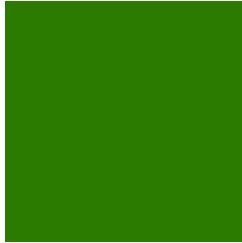
3.2431, 0.2373, 0.1081



14.9821, 0.2331, 0.1058

Previews

White Background



This preview shows how the Yxy color 14.6795, 0.3210, 0.5833 looks on a white background.

Color Contrast Check

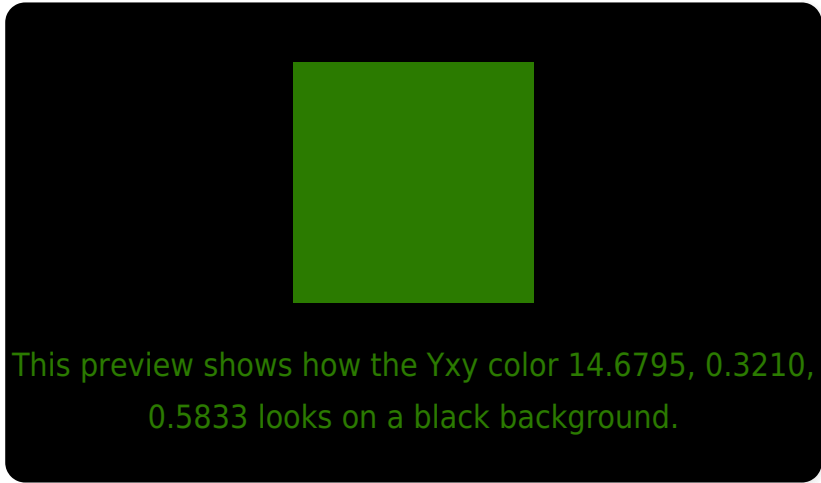
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6795, 0.3210, 0.5833

Background



This preview shows how black text looks on a background with the Yxy color 14.6795, 0.3210, 0.5833.



This preview shows how white text looks on a background with the Yxy color 14.6795, 0.3210, 0.5833.

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

14.6795, 0.3210, 0.5833

Protanopia

14.5085, 0.4389, 0.4897

Deuteranopia

14.4503, 0.4568, 0.4500



Tritanopia

14.6137, 0.2480, 0.3063

Trichromacy



Original Color

14.6795, 0.3210, 0.5833

Protanomaly

14.0856, 0.3882, 0.5299

Deuteranomaly

13.7445, 0.4008, 0.5037

Tritanomaly

14.1569, 0.2845, 0.4258

Monochromacy



Original Color

14.6795, 0.3210, 0.5833

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.4921, 0.3291, 0.4511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6795, 0.3210, 0.5833 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(43, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.6795, 0.3210, 0.5833 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(43, 123, 0) }
```

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

```
.border{ border-color:rgb(43, 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(43, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 123, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.6795, 0.3210, 0.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 123, 0) }
```

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

```
.background{ background-color: rgb(43, 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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