

Converting Colors

$Y_{xy}(21.6771, 0.3332, 0.5663)$

Have a look what the booklet for
Yxy(21.6771, 0.3332, 0.5663)
contains.

Yxy(21.5794, 0.3334, 0.5658)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5794, 0.3334, 0.5658)

Conversions

Conversions Part 1

Format	Color
Hex	46910C
RGB	70, 145, 12
RGB Percent	27%, 57%, 5%
CMY	0.7256, 0.4313, 0.9527
CMYK	0.52, 0.00, 0.92, 0.43
HSL	94°, 85%, 31%
HSV	94°, 92%, 57%
XYZ	12.7158, 21.5794, 3.8445
YIQ	107.4130, -2.0070, -57.2630

Conversions

Conversions Part 2

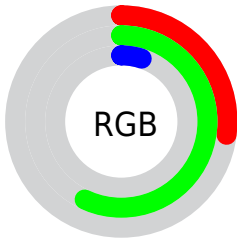
Format	Color
RYB	12, 145, 87
Decimal	4624652
CIELab	53.58, -44.18, 54.35
CIELCh	54, 70.041, 129.108
Yxy	21.5794, 0.3334, 0.5658
Android (android.graphics.Color)	4282814732 (0xFF46910C)
YUV	107.4130, -47.0386, -32.8112
Hunter-Lab	46.4536, -32.4331, 27.6107

Details

The Yxy color **21.5794, 0.3334, 0.5658** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.3402, 0.2258, 0.1067**, and the grayscale version is **14.9575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2252, 0.3373, 0.5119**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.3148, 0.3296, 0.5765**, and if you desaturate by 10%, it is **21.9560, 0.3371, 0.5493**.

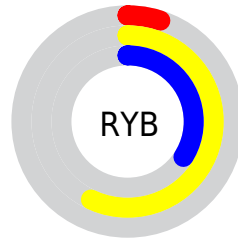
Distribution



Red (27%)

Green (57%)

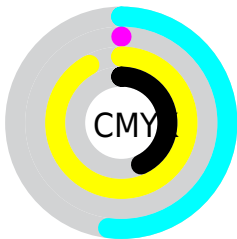
Blue (5%)



Red (5%)

Yellow (57%)

Blue (34%)

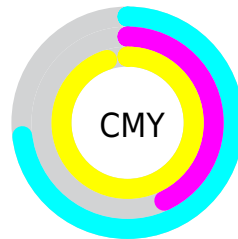


Cyan (52%)

Magenta (0%)

Yellow (92%)

Black (43%)



Cyan (73%)

Magenta (43%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5794, 0.3334, 0.5658 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 21.5794, 0.3334, 0.5658 by changing the saturation by 10% instead.


 21.5794, 0.3334,
0.5658


 21.5794, 0.3334,
0.5658


260.3419, 0.3326,
0.4271


 13.5482, 0.3263,
0.6049


 46.0498, 0.3374,
0.5111


 7.8071, 0.3150,
0.6639


 63.2579, 0.3374,
0.4917


 3.9718, 0.2789,
0.7211

 84.2936, 0.3369,
0.4759

 1.6578, 0.1744,
0.8256

 109.5414, 0.3361,
0.4627


 0.3961, 0.0000,
1.0000

 139.3858, 0.3353,
0.4516

 0.0000, 0.0000,
0.0000


 174.2111, 0.3344,


0.4422


 214.4016, 0.3335,
0.4341

 21.5794, 0.3334,
0.5658


 21.5794, 0.3334,
0.5658

 21.3148, 0.3296,
0.5765

 21.9560, 0.3371,
0.5493

 22.4077, 0.3389,
0.5276

 22.9414, 0.3389,
0.5016

 23.5620, 0.3371,
0.4729

 24.2742, 0.3338,
0.4430

■ 25.0822, 0.3295,
0.4133

■ 25.9899, 0.3245,
0.3846

■ 27.0010, 0.3192,
0.3577

■ 28.1190, 0.3136,
0.3330

Harmonies

Analogous

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



21.5794, 0.4395, 0.5177



21.5794, 0.3334, 0.5658



21.5794, 0.2277, 0.5013

Triad

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



21.5794, 0.3334, 0.5658



21.5794, 0.1273, 0.1739



21.5794, 0.4940, 0.2789

Complementary

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



21.5794, 0.3334, 0.5658



4.3402, 0.2258, 0.1067

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.



21.5794, 0.3704, 0.2156



21.5794, 0.3334, 0.5658



21.5794, 0.1675, 0.1581

Square

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



21.5794, 0.3334, 0.5658



21.5794, 0.1210, 0.2320



21.5794, 0.2485, 0.1731



21.5794, 0.5514, 0.3520

Rectangle

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



21.5794, 0.3334, 0.5658



21.5794, 0.1721, 0.4020



21.5794, 0.2485, 0.1731



21.5794, 0.4571, 0.2562

Sweetspot

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



21.5803, 0.3334, 0.5658



45.3982, 0.3281, 0.4043



12.5726, 0.5076, 0.4252



9.9650, 0.3299, 0.4156



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.5803, 0.3334, 0.5658



38.0684, 0.3282, 0.5776



20.3776, 0.2990, 0.5862



6.1371, 0.3178, 0.3513



18.2954, 0.3300, 0.5761



0.1876, 0.3648, 0.5485

Inverse Universe

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



4.3402, 0.2258, 0.1067



6.7570, 0.2153, 0.0960



8.1302, 0.3322, 0.1644



5.3957, 0.3072, 0.3069



3.3018, 0.2178, 0.0974



0.0446, 0.2638, 0.1227

Previews

White Background



This preview shows how the Yxy color 21.5794, 0.3334, 0.5658 looks on a white 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

Black Background



This preview shows how the Yxy color 21.5794, 0.3334, 0.5658 looks on a black 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

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

Yxy 21.5794, 0.3334, 0.5658

Background



This preview shows how black text looks on a background with the Yxy color 21.5794, 0.3334, 0.5658.



This preview shows how white text looks on a background with the Yxy color 21.5794, 0.3334, 0.5658.

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

21.5794, 0.3334, 0.5658

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.2526, 0.4577, 0.4505



Tritanopia

21.5769, 0.2579, 0.3080

Trichromacy



Original Color

21.5794, 0.3334, 0.5658

Protanomaly

20.8409, 0.3968, 0.5207

Deuteranomaly

20.5475, 0.4079, 0.4957

Tritanomaly

21.1673, 0.2948, 0.4172

Monochromacy



Original Color

21.5794, 0.3334, 0.5658

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.5223, 0.3339, 0.4371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5794, 0.3334, 0.5658 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(70, 145, 12)` looks like.

```
.text, #text, p{  
    color:rgb(70, 145, 12)  
}
```

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(70, 145, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 145, 12) }
```

Border

The CSS property to change the border of an element to Yxy 21.5794, 0.3334, 0.5658 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(70, 145, 12) }
```

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

```
.border{ border-color:rgb(70, 145, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 145, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 145, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 145, 12);  
box-shadow:4px 4px 4px 4px rgb(70, 145,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5794, 0.3334, 0.5658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 145, 12) }
```

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

```
.background{ background-color: rgb(70, 145,  
12) }
```

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