

Converting Colors

$Y_{xy}(21.4046, 0.3351, 0.6409)$

Have a look what the booklet for
Yxy(21.4046, 0.3351, 0.6409)
contains.

Yxy(21.4958, 0.3177, 0.5860)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4958, 0.3177, 0.5860)

Conversions

Conversions Part 1

Format	Color
Hex	309300
RGB	48, 147, 0
RGB Percent	19%, 58%, 0%
CMY	0.8116, 0.4235, 1.0000
CMYK	0.67, 0.00, 1.00, 0.42
HSL	100°, 100%, 29%
HSV	100°, 100%, 58%
XYZ	11.6540, 21.4958, 3.5325
YIQ	100.6410, -11.8170, -66.7050

Conversions

Conversions Part 2

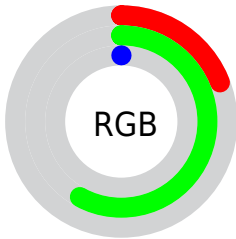
Format	Color
RYB	0, 147, 99
Decimal	3183360
CIELab	53.49, -51.12, 56.02
CIELCh	53, 75.837, 132.381
Yxy	21.4958, 0.3177, 0.5860
Android (android.graphics.Color)	4281373440 (0xFF309300)
YUV	100.6410, -49.6160, -46.1662
Hunter-Lab	46.3636, -36.2685, 27.9371

Details

The Yxy color **21.4958, 0.3177, 0.5860** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.7565, 0.2413, 0.1103**, and the grayscale version is **13.0528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9219, 0.3260, 0.5253**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.4969, 0.3177, 0.5860**, and if you desaturate by 10%, it is **21.7988, 0.3221, 0.5727**.

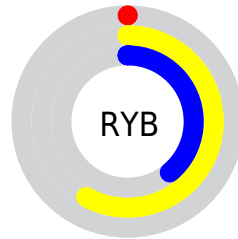
Distribution



Red (19%)

Green (58%)

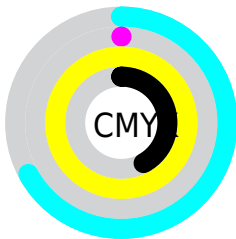
Blue (0%)



Red (0%)

Yellow (58%)

Blue (39%)

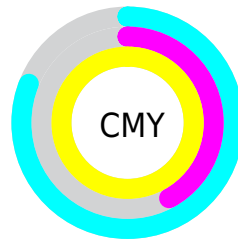


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (81%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4958, 0.3177, 0.5860 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 21.4958, 0.3177, 0.5860 by changing the saturation by 10% instead.


 21.4958, 0.3177,
0.5860


 21.4958, 0.3177,
0.5860

259.9018, 0.3272,
0.4341


 13.4869, 0.3069,
0.6291


 45.9112, 0.3262,
0.5258

 7.7647, 0.2915,
0.6977


 63.0866, 0.3277,
0.5045

 3.9447, 0.2456,
0.7544

 84.0861, 0.3283,
0.4872

 1.6427, 0.0945,
0.9055

 109.2944, 0.3284,
0.4728


 0.3861, 0.0000,
1.0000


 139.0957, 0.3283,
0.4608


 0.0000, 0.0000,
0.0000


 173.8744, 0.3280,


0.4506


 214.0150, 0.3277,
0.4418


 21.4958, 0.3177,
0.5860


 21.4958, 0.3177,
0.5860

 21.4969, 0.3177,
0.5860

 21.7988, 0.3221,
0.5727

 22.1812, 0.3258,
0.5546

 22.6584, 0.3281,
0.5307

 23.2376, 0.3289,
0.5026

 23.9253, 0.3282,
0.4719

■ 24.7270, 0.3264,
0.4405

■ 25.6483, 0.3236,
0.4098

■ 26.6939, 0.3203,
0.3806

■ 27.8687, 0.3166,
0.3536

Harmonies

Analogous

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



21.4958, 0.4312, 0.5363



21.4958, 0.3177, 0.5860



21.4958, 0.2085, 0.5024

Triad

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



21.4958, 0.3177, 0.5860



21.4958, 0.1200, 0.1604



21.4958, 0.5199, 0.2819

Complementary

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



21.4958, 0.3177, 0.5860



4.7565, 0.2413, 0.1103

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.



21.4958, 0.3901, 0.2146



21.4958, 0.3177, 0.5860



21.4958, 0.1655, 0.1486

Square

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



21.4958, 0.3177, 0.5860



21.4958, 0.1093, 0.2140



21.4958, 0.2556, 0.1676



21.4958, 0.5688, 0.3578

Rectangle

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



21.4958, 0.3177, 0.5860



21.4958, 0.1540, 0.3886



21.4958, 0.2556, 0.1676



21.4958, 0.4825, 0.2581

Sweetspot

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



21.4969, 0.3177, 0.5860



45.8247, 0.3238, 0.4116



14.9383, 0.4916, 0.4478



10.3117, 0.3249, 0.4233



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.4969, 0.3177, 0.5860



38.4115, 0.3164, 0.5870



20.9354, 0.2953, 0.5829



6.5550, 0.3163, 0.3515



18.6491, 0.3181, 0.5857



0.2429, 0.3511, 0.5595

Inverse Universe

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



4.7565, 0.2413, 0.1103



8.4193, 0.2397, 0.1094



7.6206, 0.3672, 0.1796



5.8152, 0.3088, 0.3068



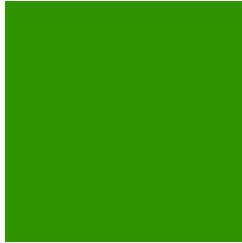
4.1374, 0.2417, 0.1105



0.0667, 0.2799, 0.1315

Previews

White Background



This preview shows how the Yxy color 21.4958, 0.3177, 0.5860 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 21.4958, 0.3177, 0.5860 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 21.4958, 0.3177, 0.5860

Background



This preview shows how black text looks on a background with the Yxy color 21.4958, 0.3177, 0.5860.



This preview shows how white text looks on a background with the Yxy color 21.4958, 0.3177, 0.5860.

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

21.4958, 0.3177, 0.5860

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

21.2473, 0.4583, 0.4512



Tritanopia

21.5659, 0.2464, 0.3076

Trichromacy



Original Color

21.4958, 0.3177, 0.5860

Protanomaly

20.2383, 0.3863, 0.5315

Deuteranomaly

19.9377, 0.3995, 0.5069

Tritanomaly

21.0162, 0.2830, 0.4313

Monochromacy



Original Color

21.4958, 0.3177, 0.5860

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

15.1209, 0.3278, 0.4554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4958, 0.3177, 0.5860 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(48, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 147, 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(48, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.4958, 0.3177, 0.5860 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(48, 147, 0) }
```

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

```
.border{ border-color:rgb(48, 147, 0) }
```

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

Here you see how a box with a 4 pixel rgb(48, 147, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 147, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4958, 0.3177, 0.5860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 147, 0) }
```

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

```
.background{ background-color: rgb(48, 147,  
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