

Converting Colors

$Y_{xy}(21.8224, 0.3585, 0.5472)$

Have a look what the booklet for
Yxy(21.8224, 0.3585, 0.5472)
contains.

Yxy(21.6973, 0.3589, 0.5466)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(21.6973, 0.3589, 0.5466)

Conversions

Conversions Part 1

Format	Color
Hex	5D8E0B
RGB	93, 142, 11
RGB Percent	36%, 56%, 4%
CMY	0.6353, 0.4431, 0.9572
CMYK	0.35, 0.00, 0.92, 0.44
HSL	82°, 86%, 30%
HSV	82°, 92%, 56%
XYZ	14.2465, 21.6973, 3.7512
YIQ	112.4150, 12.8470, -51.1290

Conversions

Conversions Part 2

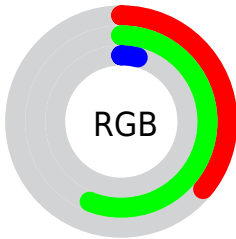
Format	Color
RYB	11, 142, 60
Decimal	6131211
CIELab	53.70, -34.85, 55.10
CIELCh	54, 65.198, 122.312
Yxy	21.6973, 0.3589, 0.5466
Android (android.graphics.Color)	4284321291 (0xFF5D8E0B)
YUV	112.4150, -49.9976, -17.0270
Hunter-Lab	46.5804, -26.9216, 27.8315

Details

The Yxy color **21.6973, 0.3589, 0.5466** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1496, 0.1914, 0.0879**, and the grayscale version is **16.4765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2568, 0.3569, 0.4979**, and **7.9135, 0.3323, 0.5744** is the 20% darker color. If you saturate the color by 10%, you get **21.4668, 0.3565, 0.5552**, and if you desaturate by 10%, it is **22.0318, 0.3609, 0.5329**.

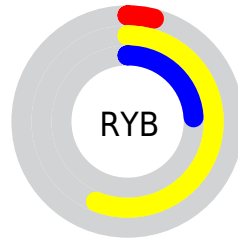
Distribution



Red (36%)

Green (56%)

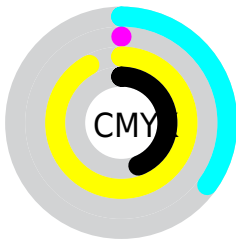
Blue (4%)



Red (4%)

Yellow (56%)

Blue (24%)

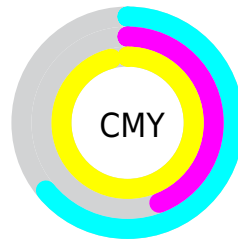


Cyan (35%)

Magenta (0%)

Yellow (92%)

Black (44%)



Cyan (64%)


Magenta (44%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6973, 0.3589, 0.5466 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 21.6973, 0.3589, 0.5466 by changing the saturation by 10% instead.


 21.6973, 0.3589,
0.5466


 21.6973, 0.3589,
0.5466


 260.9614, 0.3431,
0.4218


 13.6346, 0.3564,
0.5802


 46.2452, 0.3568,
0.4984

 7.8670, 0.3521,
0.6310


 63.4992, 0.3547,
0.4810

 4.0100, 0.3243,
0.6757

 84.5858, 0.3525,
0.4666

 1.6791, 0.2604,
0.7396

 109.8894, 0.3504,
0.4547


 0.4101, 0.0000,
1.0000

 139.7944, 0.3483,
0.4445

 0.0000, 0.0000,
0.0000


 174.6851, 0.3464,


0.4359


 214.9460, 0.3447,
0.4284

 21.6973, 0.3589,
0.5466


 21.6973, 0.3589,
0.5466


 21.4668, 0.3565,
0.5552

 22.0318, 0.3609,
0.5329

 22.4161, 0.3605,
0.5145

 22.8557, 0.3579,
0.4921

 23.3545, 0.3533,
0.4668

 23.9160, 0.3471,
0.4398

■ 24.5432, 0.3397,
0.4122

■ 25.2391, 0.3316,
0.3850

■ 26.0063, 0.3232,
0.3590

■ 26.8473, 0.3147,
0.3344

Harmonies

Analogous

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



21.6973, 0.4560, 0.4925



21.6973, 0.3589, 0.5466



21.6973, 0.2561, 0.5111

Triad

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



21.6973, 0.3589, 0.5466



21.6973, 0.1323, 0.1914



21.6973, 0.4589, 0.2680

Complementary

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



21.6973, 0.3589, 0.5466



3.1496, 0.1914, 0.0879

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.



21.6973, 0.3392, 0.2106



21.6973, 0.3589, 0.5466



21.6973, 0.1635, 0.1676

Square

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



21.6973, 0.3589, 0.5466



21.6973, 0.1343, 0.2594



21.6973, 0.2318, 0.1755



21.6973, 0.5313, 0.3373

Rectangle

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



21.6973, 0.3589, 0.5466



21.6973, 0.1974, 0.4295



21.6973, 0.2318, 0.1755



21.6973, 0.4211, 0.2470

Sweetspot

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



21.6983, 0.3589, 0.5466



43.7189, 0.3368, 0.4020



8.9020, 0.5547, 0.3864



9.6633, 0.3398, 0.4125



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.6983, 0.3589, 0.5466



37.7562, 0.3553, 0.5561



19.6242, 0.3060, 0.5874



6.1860, 0.3205, 0.3511



19.2831, 0.3567, 0.5549



0.1970, 0.3860, 0.5317

Inverse Universe

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



3.1496, 0.1914, 0.0879



4.6965, 0.1804, 0.0768



6.5153, 0.2908, 0.1415



5.3471, 0.3044, 0.3067



2.4453, 0.1828, 0.0781



0.0352, 0.2318, 0.1050

Previews

White Background



This preview shows how the Yxy color 21.6973, 0.3589, 0.5466 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 21.6973, 0.3589, 0.5466 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 21.6973, 0.3589, 0.5466

Background



This preview shows how black text looks on a background with the Yxy color 21.6973, 0.3589, 0.5466.



This preview shows how white text looks on a background with the Yxy color 21.6973, 0.3589, 0.5466.

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

21.6973, 0.3589, 0.5466

Deuteranopia

21.3405, 0.4606, 0.4518

Tritanopia

21.6738, 0.2762, 0.3087

Trichromacy



Original Color

21.6973, 0.3589, 0.5466

Deuteranomaly

20.9927, 0.4221, 0.4883

Tritanomaly

21.3181, 0.3175, 0.4111

Monochromacy



Original Color

21.6973, 0.3589, 0.5466

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.6772, 0.3443, 0.4293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6973, 0.3589, 0.5466 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(93, 142, 11)` looks like.

```
.text, #text, p{  
    color:rgb(93, 142, 11)  
}
```

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(93, 142, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 142, 11) }
```

Border

The CSS property to change the border of an element to Yxy 21.6973, 0.3589, 0.5466 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(93, 142, 11) }
```

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

```
.border{ border-color:rgb(93, 142, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 142, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 142, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 142, 11);  
box-shadow:4px 4px 4px 4px rgb(93, 142,  
11) }
```

Background

The CSS property to change the background color of an element to Yxy 21.6973, 0.3589, 0.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 142, 11) }
```

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

```
.background{ background-color: rgb(93, 142,  
11) }
```

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