

Converting Colors

$Yxy(21.5476, 0.3589, 0.5533)$

Have a look what the booklet for
Yxy(21.5476, 0.3589, 0.5533)
contains.

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Color

Yxy(21.5701, 0.3588, 0.5533)

Conversions

Conversions Part 1

Format	Color
Hex	5B8E00
RGB	91, 142, 0
RGB Percent	36%, 56%, 0%
CMY	0.6431, 0.4431, 0.9999
CMYK	0.36, 0.00, 1.00, 0.44
HSL	82°, 100%, 28%
HSV	82°, 100%, 56%
XYZ	13.9876, 21.5701, 3.4267
YIQ	110.5630, 15.1860, -54.9740

Conversions

Conversions Part 2

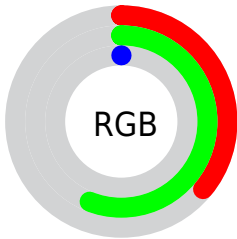
Format	Color
RYB	0, 142, 51
Decimal	6000128
CIELab	53.57, -35.88, 56.80
CIELCh	54, 67.184, 122.281
Yxy	21.5701, 0.3588, 0.5533
Android (android.graphics.Color)	4284190208 (0xFF5B8E00)
YUV	110.5630, -54.5076, -17.1568
Hunter-Lab	46.4436, -27.5167, 28.1360

Details

The Yxy color **21.5701, 0.3588, 0.5533** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.6582, 0.1802, 0.0766**, and the grayscale version is **15.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0082, 0.3576, 0.5041**, and **7.8755, 0.3297, 0.5764** is the 20% darker color. If you saturate the color by 10%, you get **21.5705, 0.3588, 0.5533**, and if you desaturate by 10%, it is **21.8715, 0.3617, 0.5422**.

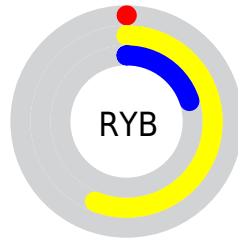
Distribution



Red (36%)

Green (56%)

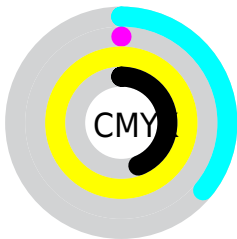
Blue (0%)



Red (0%)

Yellow (56%)

Blue (20%)

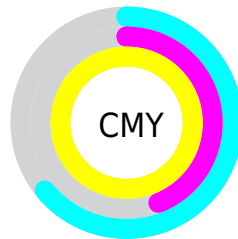


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (64%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5701, 0.3588, 0.5533 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 21.5701, 0.3588, 0.5533 by changing the saturation by 10% instead.


 21.5701, 0.3588,
0.5533


 21.5701, 0.3588,
0.5533


260.2929, 0.3439,
0.4249


 13.5414, 0.3555,
0.5874


 46.0344, 0.3574,
0.5039


 7.8024, 0.3516,
0.6422


 63.2388, 0.3555,
0.4860


 3.9688, 0.3188,
0.6812

 84.2705, 0.3533,
0.4712

 1.6561, 0.2499,
0.7501

 109.5140, 0.3512,
0.4588


 0.3950, 0.0000,
1.0000


 139.3535, 0.3492,
0.4484


 0.0000, 0.0000,
0.0000


 174.1736, 0.3473,


0.4394


 214.3586, 0.3455,
0.4317


 21.5701, 0.3588,
0.5533


 21.5701, 0.3588,
0.5533


 21.5705, 0.3588,
0.5533

 21.8715, 0.3617,
0.5422

 22.2111, 0.3629,
0.5276

 22.6014, 0.3618,
0.5085

 23.0464, 0.3585,
0.4856

 23.5499, 0.3532,
0.4600

■ 24.1153, 0.3464,
0.4330

■ 24.7456, 0.3386,
0.4057

■ 25.4435, 0.3301,
0.3788

■ 26.2117, 0.3214,
0.3531

Harmonies

Analogous

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



21.5701, 0.4585, 0.4955



21.5701, 0.3588, 0.5533



21.5701, 0.2537, 0.5181

Triad

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



21.5701, 0.3588, 0.5533



21.5701, 0.1282, 0.1877



21.5701, 0.4634, 0.2660

Complementary

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



21.5701, 0.3588, 0.5533



2.6582, 0.1802, 0.0766

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.



21.5701, 0.3396, 0.2076



21.5701, 0.3588, 0.5533



21.5701, 0.1598, 0.1637

Square

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



21.5701, 0.3588, 0.5533



21.5701, 0.1300, 0.2568



21.5701, 0.2293, 0.1719



21.5701, 0.5377, 0.3362

Rectangle

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



21.5701, 0.3588, 0.5533



21.5701, 0.1939, 0.4332



21.5701, 0.2293, 0.1719



21.5701, 0.4243, 0.2446

Sweetspot

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



21.5710, 0.3588, 0.5533



43.5600, 0.3391, 0.4074



8.0083, 0.5797, 0.3779



9.6352, 0.3421, 0.4175



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.



21.5710, 0.3588, 0.5533



37.9419, 0.3576, 0.5543



19.5098, 0.3051, 0.5959



6.1898, 0.3207, 0.3511



19.3769, 0.3590, 0.5531



0.1977, 0.3875, 0.5305

Inverse Universe

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



2.6582, 0.1802, 0.0766



4.6006, 0.1782, 0.0755



5.9975, 0.2841, 0.1339



5.3434, 0.3042, 0.3066



2.3953, 0.1806, 0.0769



0.0345, 0.2291, 0.1036

Previews

White Background



This preview shows how the Yxy color 21.5701, 0.3588, 0.5533 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 21.5701, 0.3588, 0.5533 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 21.5701, 0.3588, 0.5533

Background



This preview shows how black text looks on a background with the Yxy color 21.5701, 0.3588, 0.5533.



This preview shows how white text looks on a background with the Yxy color 21.5701, 0.3588, 0.5533.

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

21.5701, 0.3588, 0.5533

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.3357, 0.4612, 0.4525



Tritanopia

21.5499, 0.2742, 0.3086

Trichromacy



Original Color

21.5701, 0.3588, 0.5533

Protanomaly

21.1350, 0.4091, 0.5133

Deuteranomaly

20.9784, 0.4236, 0.4906

Tritanomaly

21.1304, 0.3191, 0.4199

Monochromacy



Original Color

21.5701, 0.3588, 0.5533

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.3171, 0.3478, 0.4362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5701, 0.3588, 0.5533 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(91, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 142, 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(91, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5701, 0.3588, 0.5533 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(91, 142, 0) }
```

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

```
.border{ border-color:rgb(91, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(91, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 142, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5701, 0.3588, 0.5533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 142, 0) }
```

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

```
.background{ background-color: rgb(91, 142,  
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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