

Converting Colors

$Yxy(21.9746, 0.3664, 0.5481)$

Have a look what the booklet for
Yxy(21.9746, 0.3664, 0.5481)
contains.

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Color

Yxy(21.9427, 0.3667, 0.5470)

Conversions

Conversions Part 1

Format	Color
Hex	628E00
RGB	98, 142, 0
RGB Percent	38%, 56%, 0%
CMY	0.6157, 0.4431, 0.9997
CMYK	0.31, 0.00, 1.00, 0.44
HSL	79°, 100%, 28%
HSV	79°, 100%, 56%
XYZ	14.7100, 21.9427, 3.4619
YIQ	112.6560, 19.3580, -53.4900

Conversions

Conversions Part 2

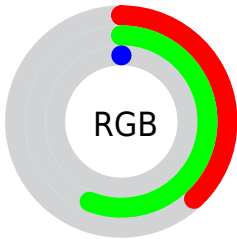
Format	Color
RYB	0, 142, 44
Decimal	6458880
CIELab	53.97, -33.13, 57.27
CIELCh	54, 66.163, 120.048
Yxy	21.9427, 0.3667, 0.5470
Android (android.graphics.Color)	4284648960 (0xFF628E00)
YUV	112.6560, -55.5394, -12.8533
Hunter-Lab	46.8430, -25.9213, 28.4084

Details

The Yxy color **21.9427, 0.3667, 0.5470** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.4920, 0.1734, 0.0729**, and the grayscale version is **16.5723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6695, 0.3636, 0.5003**, and **8.0401, 0.3406, 0.5678** is the 20% darker color. If you saturate the color by 10%, you get **21.9422, 0.3667, 0.5471**, and if you desaturate by 10%, it is **22.2277, 0.3689, 0.5367**.

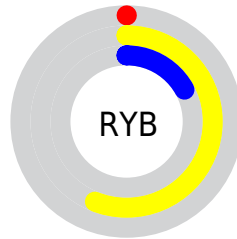
Distribution



Red (38%)

Green (56%)

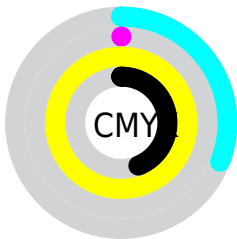
Blue (0%)



Red (0%)

Yellow (56%)

Blue (17%)

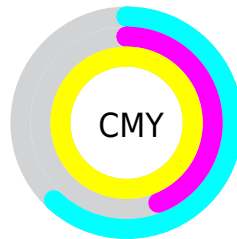


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (62%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9427, 0.3667, 0.5470 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 21.9427, 0.3667, 0.5470 by changing the saturation by 10% instead.


 21.9427, 0.3667,
0.5470


 21.9427, 0.3667,
0.5470


262.2469, 0.3472,
0.4234


 13.8148, 0.3648,
0.5792


 46.6513, 0.3635,
0.4999


 7.9920, 0.3628,
0.6301


 64.0007, 0.3609,
0.4827

 4.0898, 0.3337,
0.6663

 85.1929, 0.3582,
0.4684

 1.7239, 0.2771,
0.7229

 110.6120, 0.3557,
0.4564

 0.4391, 0.0000,
1.0000

 140.6426, 0.3533,
0.4463

 0.0000, 0.0000,
0.0000


 175.6690, 0.3511,

0.4376

 216.0756, 0.3491,
0.4300


 21.9427, 0.3667,
0.5470

 21.9427, 0.3667,
0.5470

 21.9422, 0.3667,
0.5471

 22.2277, 0.3689,
0.5367

 22.5467, 0.3694,
0.5229

 22.9119, 0.3676,
0.5047

 23.3274, 0.3634,
0.4828

 23.7968, 0.3573,
0.4581

■ 24.3234, 0.3497,
0.4318

■ 24.9099, 0.3410,
0.4050

■ 25.5591, 0.3317,
0.3785

■ 26.2735, 0.3221,
0.3529

Harmonies

Analogous

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



21.9427, 0.4633, 0.4878



21.9427, 0.3667, 0.5470



21.9427, 0.2627, 0.5203

Triad

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



21.9427, 0.3667, 0.5470



21.9427, 0.1299, 0.1935



21.9427, 0.4522, 0.2624

Complementary

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



21.9427, 0.3667, 0.5470



2.4920, 0.1734, 0.0729

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.



21.9427, 0.3301, 0.2061



21.9427, 0.3667, 0.5470



21.9427, 0.1587, 0.1668

Square

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



21.9427, 0.3667, 0.5470



21.9427, 0.1344, 0.2659



21.9427, 0.2243, 0.1727



21.9427, 0.5308, 0.3315

Rectangle

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



21.9427, 0.3667, 0.5470



21.9427, 0.2021, 0.4414



21.9427, 0.2243, 0.1727



21.9427, 0.4131, 0.2417

Sweetspot

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



21.9437, 0.3667, 0.5470



43.8508, 0.3416, 0.4068



7.4539, 0.5924, 0.3677



9.7067, 0.3449, 0.4167



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.



21.9437, 0.3667, 0.5470



38.6019, 0.3656, 0.5479



19.6006, 0.3079, 0.5937



6.2027, 0.3214, 0.3510



19.7098, 0.3669, 0.5469



0.2001, 0.3924, 0.5267

Inverse Universe

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



2.4920, 0.1734, 0.0729



4.3117, 0.1715, 0.0718



5.5065, 0.2718, 0.1271



5.3311, 0.3035, 0.3066



2.2437, 0.1737, 0.0731



0.0321, 0.2198, 0.0984

Previews

White Background



This preview shows how the Yxy color 21.9427, 0.3667, 0.5470 looks on a white background.

Color Contrast Check

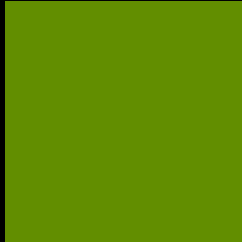
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9427, 0.3667, 0.5470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

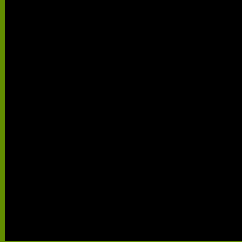
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9427, 0.3667, 0.5470

Background



This preview shows how black text looks on a background with the Yxy color 21.9427, 0.3667, 0.5470.



This preview shows how white text looks on a background with the Yxy color 21.9427, 0.3667, 0.5470.

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

21.9427, 0.3667, 0.5470

Protanopia

21.7203, 0.4397, 0.4891

Deuteranopia

21.6796, 0.4615, 0.4536



Tritanopia

21.9304, 0.2802, 0.3089

Trichromacy



Original Color

21.9427, 0.3667, 0.5470

Protanomaly

21.6394, 0.4117, 0.5113

Deuteranomaly

21.2300, 0.4278, 0.4883

Tritanomaly

21.4894, 0.3259, 0.4180

Monochromacy



Original Color

21.9427, 0.3667, 0.5470

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.0713, 0.3510, 0.4356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9427, 0.3667, 0.5470 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(98, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9427, 0.3667, 0.5470 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(98, 142, 0) }
```

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

```
.border{ border-color:rgb(98, 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(98, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 142, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.9427, 0.3667, 0.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 142, 0) }
```

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

```
.background{ background-color: rgb(98, 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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