

Converting Colors

$Y_{xy}(21.4979, 0.3386, 0.5694)$

Have a look what the booklet for
Yxy(21.4979, 0.3386, 0.5694)
contains.

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Color

Yxy(21.3630, 0.3389, 0.5691)

Conversions

Conversions Part 1

Format	Color
Hex	499000
RGB	73, 144, 0
RGB Percent	29%, 56%, 0%
CMY	0.7137, 0.4353, 0.9999
CMYK	0.49, 0.00, 1.00, 0.44
HSL	90°, 100%, 28%
HSV	90°, 100%, 56%
XYZ	12.7217, 21.3630, 3.4535
YIQ	106.3550, 3.9080, -59.8360

Conversions

Conversions Part 2

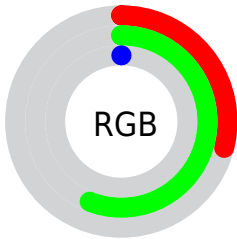
Format	Color
RYB	0, 144, 71
Decimal	4820992
CIELab	53.34, -43.14, 56.25
CIELCh	53, 70.886, 127.482
Yxy	21.3630, 0.3389, 0.5691
Android (android.graphics.Color)	4283011072 (0xFF499000)
YUV	106.3550, -52.4330, -29.2523
Hunter-Lab	46.2201, -31.7546, 27.9240

Details

The Yxy color **21.3630, 0.3389, 0.5691** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.3546, 0.2029, 0.0892**, and the grayscale version is **14.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4726, 0.3426, 0.5143**, and **7.8545, 0.3020, 0.5984** is the 20% darker color. If you saturate the color by 10%, you get **21.3633, 0.3389, 0.5691**, and if you desaturate by 10%, it is **21.6902, 0.3431, 0.5565**.

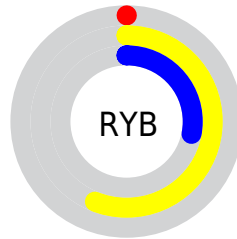
Distribution



Red (29%)

Green (56%)

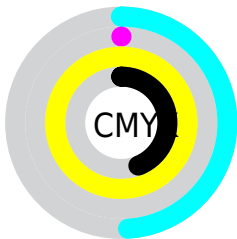
Blue (0%)



Red (0%)

Yellow (56%)

Blue (28%)

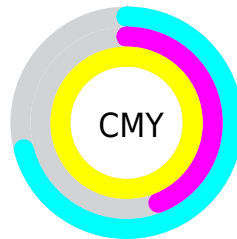


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (71%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3630, 0.3389, 0.5691 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 21.3630, 0.3389, 0.5691 by changing the saturation by 10% instead.


 21.3630, 0.3389,
0.5691


 21.3630, 0.3389,
0.5691


259.2014, 0.3358,
0.4292


 13.3896, 0.3319,
0.6077


 45.6909, 0.3423,
0.5144

 7.6974, 0.3226,
0.6699


 62.8142, 0.3420,
0.4948

 3.9019, 0.2827,
0.7173

 83.7562, 0.3412,
0.4788

 1.6188, 0.1782,
0.8218

 108.9014, 0.3402,
0.4654

 0.3703, 0.0000,
1.0000


 138.6341, 0.3390,
0.4542


 0.0000, 0.0000,
0.0000


 173.3387, 0.3379,

0.4446


 213.3997, 0.3368,
0.4364


 21.3630, 0.3389,
0.5691


 21.3630, 0.3389,
0.5691

 21.3633, 0.3389,
0.5691

 21.6902, 0.3431,
0.5565

 22.0713, 0.3460,
0.5399

 22.5193, 0.3467,
0.5184

 23.0393, 0.3454,
0.4930

 23.6357, 0.3423,
0.4652

■ 24.3124, 0.3377,
0.4362

■ 25.0731, 0.3321,
0.4074

■ 25.9213, 0.3259,
0.3795

■ 26.8600, 0.3193,
0.3533

Harmonies

Analogous

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



21.3630, 0.4456, 0.5151



21.3630, 0.3389, 0.5691



21.3630, 0.2315, 0.5114

Triad

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



21.3630, 0.3389, 0.5691



21.3630, 0.1242, 0.1739



21.3630, 0.4911, 0.2742

Complementary

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



21.3630, 0.3389, 0.5691



3.3546, 0.2029, 0.0892

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.



21.3630, 0.3638, 0.2113



21.3630, 0.3389, 0.5691



21.3630, 0.1627, 0.1562

Square

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



21.3630, 0.3389, 0.5691



21.3630, 0.1196, 0.2352



21.3630, 0.2420, 0.1699



21.3630, 0.5538, 0.3474

Rectangle

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



21.3630, 0.3389, 0.5691



21.3630, 0.1739, 0.4118



21.3630, 0.2420, 0.1699



21.3630, 0.4525, 0.2516

Sweetspot

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



21.3639, 0.3389, 0.5691



44.1325, 0.3325, 0.4092



10.2619, 0.5426, 0.4074



10.0011, 0.3347, 0.4201



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.



21.3639, 0.3389, 0.5691



37.5800, 0.3375, 0.5702



19.9627, 0.3005, 0.5996



6.1553, 0.3188, 0.3512



18.6172, 0.3393, 0.5688



0.1911, 0.3731, 0.5419

Inverse Universe

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



3.3546, 0.2029, 0.0892



5.8159, 0.2009, 0.0881



7.7299, 0.3169, 0.1519



5.3773, 0.3062, 0.3068



2.9341, 0.2035, 0.0895



0.0411, 0.2524, 0.1164

Previews

White Background



This preview shows how the Yxy color 21.3630, 0.3389, 0.5691 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 21.3630, 0.3389, 0.5691 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 21.3630, 0.3389, 0.5691

Background



This preview shows how black text looks on a background with the Yxy color 21.3630, 0.3389, 0.5691.



This preview shows how white text looks on a background with the Yxy color 21.3630, 0.3389, 0.5691.

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

21.3630, 0.3389, 0.5691

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.9952, 0.4608, 0.4514



Tritanopia

21.3698, 0.2602, 0.3080

Trichromacy



Original Color

21.3630, 0.3389, 0.5691

Protanomaly

20.6266, 0.4002, 0.5205

Deuteranomaly

20.3334, 0.4132, 0.4983

Tritanomaly

20.8810, 0.3012, 0.4259

Monochromacy



Original Color

21.3630, 0.3389, 0.5691

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.2179, 0.3396, 0.4461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3630, 0.3389, 0.5691 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(73, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 144, 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(73, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.3630, 0.3389, 0.5691 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(73, 144, 0) }
```

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

```
.border{ border-color:rgb(73, 144, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 144, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.3630, 0.3389, 0.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 144, 0) }
```

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

```
.background{ background-color: rgb(73, 144,  
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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