

Converting Colors

Yxy(41.7036, 0.3131, 0.5896)

Have a look what the booklet for
Yxy(41.7036, 0.3131, 0.5896)
contains.

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Color

Yxy(41.7464, 0.3131, 0.5896)

Conversions

Conversions Part 1

Format	Color
Hex	3AC700
RGB	58, 199, 0
RGB Percent	23%, 78%, 0%
CMY	0.7725, 0.2196, 0.9999
CMYK	0.71, 0.00, 1.00, 0.22
HSL	103°, 100%, 39%
HSV	103°, 100%, 78%
XYZ	22.1689, 41.7464, 6.8893
YIQ	134.1550, -20.1570, -91.7810

Conversions

Conversions Part 2

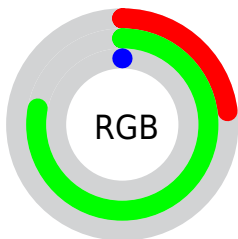
Format	Color
RYB	0, 199, 141
Decimal	3852032
CIELab	70.70, -65.91, 69.78
CIELCh	71, 95.986, 133.366
Yxy	41.7464, 0.3131, 0.5896
Android (android.graphics.Color)	4282042112 (0xFF3AC700)
YUV	134.1550, -66.1384, -66.7879
Hunter-Lab	64.6115, -51.8247, 38.9061

Details

The Yxy color **41.7464, 0.3131, 0.5896** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **9.7873, 0.2480, 0.1140**, and the grayscale version is **24.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5497, 0.3217, 0.5370**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.7478, 0.3131, 0.5896**, and if you desaturate by 10%, it is **42.2805, 0.3178, 0.5783**.

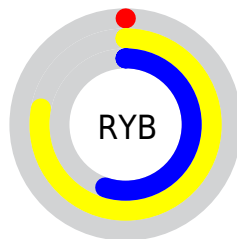
Distribution



Red (23%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (55%)

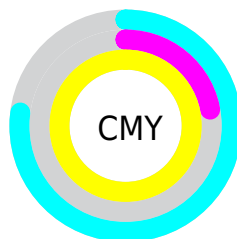


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (77%)


Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7464, 0.3131, 0.5896 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 41.7464, 0.3131, 0.5896 by changing the saturation by 10% instead.

 41.7464, 0.3131,
0.5896


 41.7464, 0.3131,
0.5896


353.4306, 0.3258,
0.4498


 28.9028, 0.3044,
0.6240


 77.8157, 0.3216,
0.5382

 19.0073, 0.2898,
0.6661


 101.8101, 0.3236,
0.5189

 11.6755, 0.2697,
0.7286


 130.2902, 0.3248,
0.5027

 6.5231, 0.2243,
0.7757

 163.6405, 0.3255,
0.4888

 3.1657, 0.1523,
0.8477

 202.2453, 0.3258,
0.4770

 1.2189, 0.0000,
1.0000

 246.4889, 0.3260,

 0.0770, 0.0000,

0.4667

1.0000

296.7559, 0.3260,
0.4577

■ 0.0000, 0.0000,
0.0000

■ 41.7464, 0.3131,
0.5896

■ 41.7464, 0.3131,
0.5896

■ 41.7478, 0.3131,
0.5896

■ 42.2805, 0.3178,
0.5783

■ 42.9887, 0.3218,
0.5609

■ 43.8987, 0.3245,
0.5371

■ 45.0270, 0.3258,
0.5084

■ 46.3882, 0.3256,
0.4768

■ 47.9955, 0.3243,
0.4442

■ 49.8610, 0.3221,
0.4123

■ 51.9961, 0.3193,
0.3820

■ 54.4114, 0.3161,
0.3542

Harmonies

Analogous

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



41.7464, 0.4279, 0.5410



41.7464, 0.3131, 0.5896



41.7464, 0.2037, 0.5002

Triad

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



41.7464, 0.3131, 0.5896



41.7464, 0.1191, 0.1576



41.7464, 0.5260, 0.2834

Complementary

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



41.7464, 0.3131, 0.5896



9.7873, 0.2480, 0.1140

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.



41.7464, 0.3959, 0.2153



41.7464, 0.3131, 0.5896



41.7464, 0.1662, 0.1471

Square

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



41.7464, 0.3131, 0.5896



41.7464, 0.1072, 0.2097



41.7464, 0.2586, 0.1671



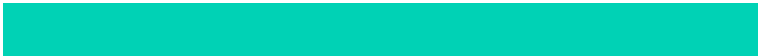
41.7464, 0.5717, 0.3599

Rectangle

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



41.7464, 0.3131, 0.5896



41.7464, 0.1499, 0.3835



41.7464, 0.2586, 0.1671



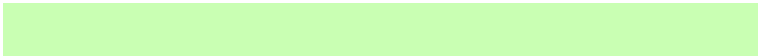
41.7464, 0.4890, 0.2594

Sweetspot

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



41.7482, 0.3131, 0.5896



87.1438, 0.3222, 0.4137



30.6969, 0.4848, 0.4533



18.3431, 0.3233, 0.4272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.7482, 0.3131, 0.5896



72.9887, 0.3122, 0.5903



41.0002, 0.2946, 0.5806



12.0351, 0.3159, 0.3526



26.8834, 0.3140, 0.5889



1.3108, 0.3304, 0.5759

Inverse Universe

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



9.7873, 0.2480, 0.1140



17.0048, 0.2469, 0.1134



14.6532, 0.3794, 0.1863



10.6554, 0.3092, 0.3059



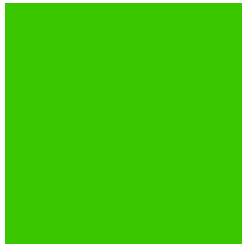
6.3395, 0.2489, 0.1145



0.3360, 0.2645, 0.1231

Previews

White Background



This preview shows how the Yxy color 41.7464, 0.3131, 0.5896 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 41.7464, 0.3131, 0.5896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

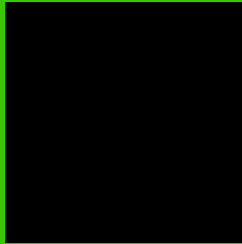
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7464, 0.3131, 0.5896

Background



This preview shows how black text looks on a background with the Yxy color 41.7464, 0.3131, 0.5896.



This preview shows how white text looks on a background with the Yxy color 41.7464, 0.3131, 0.5896.

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

41.7464, 0.3131, 0.5896

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

40.9605, 0.4613, 0.4517



Tritanopia

41.5207, 0.2432, 0.3067

Trichromacy



Original Color

41.7464, 0.3131, 0.5896



Protanomaly

39.4756, 0.3838, 0.5334



Deuteranomaly

38.5007, 0.3981, 0.5106



Tritanomaly

40.2440, 0.2796, 0.4345

Monochromacy



Original Color

41.7464, 0.3131, 0.5896



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.1738, 0.3249, 0.4621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7464, 0.3131, 0.5896 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(58, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 199, 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(58, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.7464, 0.3131, 0.5896 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(58, 199, 0) }
```

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

```
.border{ border-color:rgb(58, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(58, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 199, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.7464, 0.3131, 0.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 199, 0) }
```

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

```
.background{ background-color: rgb(58, 199,  
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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