

Converting Colors

$Y_{xy}(43.6590, 0.3431, 0.5461)$

Have a look what the booklet for
Yxy(43.6590, 0.3431, 0.5461)
contains.

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Color

Yxy(43.7920, 0.3431, 0.5457)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 74C527 |
| RGB | 116, 197, 39 |
| RGB Percent | 45%, 77%, 15% |
| CMY | 0.5452, 0.2274, 0.8469 |
| CMYK | 0.41, 0.00, 0.80, 0.23 |
| HSL | 91°, 67%, 46% |
| HSV | 91°, 80%, 77% |
| XYZ | 27.5335, 43.7920, 8.9237 |
| YIQ | 154.7690, 2.4420, -66.3100 |

Conversions

Conversions Part 2

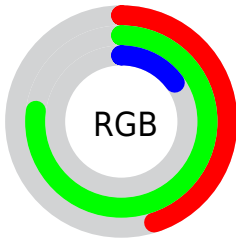
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 39, 197, 120 |
| Decimal | 7652647 |
| CIELab | 72.09, -48.86, 65.00 |
| CIELCh | 72, 81.319, 126.931 |
| Yxy | 43.7920, 0.3431, 0.5457 |
| Android (android.graphics.Color) | 4285842727 (0xFF74C527) |
| YUV | 154.7690, -57.0741, -34.0004 |
| Hunter-Lab | 66.1755, -41.5391, 38.3277 |

Details

The Yxy color **43.7920, 0.3431, 0.5457** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **9.4827, 0.2271, 0.1160**, and the grayscale version is **32.9281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7641, 0.3442, 0.5044**, and **20.1868, 0.3249, 0.5802** is the 20% darker color. If you saturate the color by 10%, you get **43.0402, 0.3395, 0.5617**, and if you desaturate by 10%, it is **44.6907, 0.3445, 0.5243**.

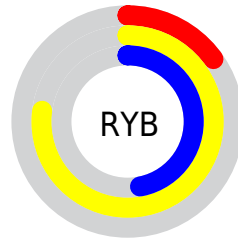
Distribution



Red (45%)

Green (77%)

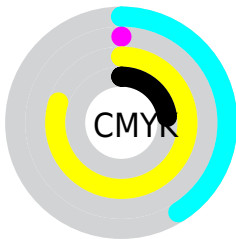
Blue (15%)



Red (15%)

Yellow (77%)

Blue (47%)

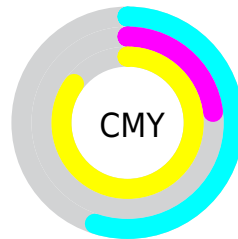


Cyan (41%)

Magenta (0%)

Yellow (80%)

Black (23%)



Cyan (55%)


Magenta (23%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7920, 0.3431, 0.5457 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 43.7920, 0.3431, 0.5457 by changing the saturation by 10% instead.


 43.7920, 0.3431,
0.5457


 43.7920, 0.3431,
0.5457


361.8588, 0.3373,
0.4322


 30.5070, 0.3404,
0.5733


 80.9047, 0.3439,
0.5044

 20.2238, 0.3341,
0.6071


 105.5011, 0.3433,
0.4888


 12.5578, 0.3223,
0.6503


 134.6369, 0.3424,
0.4756

 7.1248, 0.2979,
0.7021

 168.6963, 0.3414,
0.4644

 3.5402, 0.2478,
0.7522

 208.0639, 0.3403,
0.4547

 1.4199, 0.0529,
0.9471

 253.1238, 0.3393,


 0.2313, 0.0000,


0.4462


1.0000

304.2607, 0.3382,
0.4388


 0.0000, 0.0000,
0.0000

 43.7920, 0.3431,
0.5457


 43.7920, 0.3431,
0.5457

 43.0402, 0.3395,
0.5617


 44.6907, 0.3445,
0.5243

 42.4199, 0.3346,
0.5726

 45.7421, 0.3438,
0.4986

 46.9581, 0.3412,
0.4700

 48.3477, 0.3370,
0.4402

 49.9189, 0.3317,
0.4103

■ 51.6795, 0.3257,
0.3815

■ 53.6365, 0.3193,
0.3544

■ 55.7965, 0.3128,
0.3294

■ 58.1658, 0.3065,
0.3067

Harmonies

Analogous

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



43.7920, 0.4414, 0.5024



43.7920, 0.3431, 0.5457



43.7920, 0.2425, 0.4928

Triad

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



43.7920, 0.3431, 0.5457



43.7920, 0.1365, 0.1869



43.7920, 0.4726, 0.2789

Complementary

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



43.7920, 0.3431, 0.5457



9.4827, 0.2271, 0.1160

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.



43.7920, 0.3577, 0.2194



43.7920, 0.3431, 0.5457



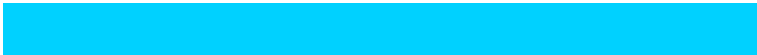
43.7920, 0.1728, 0.1684

Square

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



43.7920, 0.3431, 0.5457



43.7920, 0.1334, 0.2466



43.7920, 0.2468, 0.1806



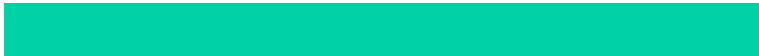
43.7920, 0.5326, 0.3488

Rectangle

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



43.7920, 0.3431, 0.5457



43.7920, 0.1877, 0.4066



43.7920, 0.2468, 0.1806



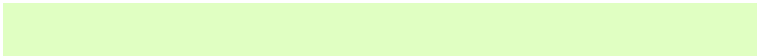
43.7920, 0.4376, 0.2574

Sweetspot

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



43.7939, 0.3431, 0.5457



91.1910, 0.3283, 0.3934



24.9801, 0.4977, 0.4162



19.2772, 0.3304, 0.4039



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.



43.7939, 0.3431, 0.5457



76.2437, 0.3358, 0.5697



40.5143, 0.3011, 0.5762



12.1371, 0.3188, 0.3524



27.9489, 0.3355, 0.5718



1.3665, 0.3518, 0.5589

Inverse Universe

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



9.4827, 0.2271, 0.1160



12.6559, 0.2072, 0.0927



17.3563, 0.3204, 0.1644



10.5504, 0.3062, 0.3057



4.5229, 0.2058, 0.0907



0.2572, 0.2285, 0.1032

Previews

White Background



This preview shows how the Yxy color 43.7920, 0.3431, 0.5457 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 43.7920, 0.3431, 0.5457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

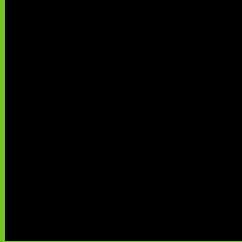
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7920, 0.3431, 0.5457

Background



This preview shows how black text looks on a background with the Yxy color 43.7920, 0.3431, 0.5457.



This preview shows how white text looks on a background with the Yxy color 43.7920, 0.3431, 0.5457.

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

43.7920, 0.3431, 0.5457

Protanopia

43.1719, 0.4342, 0.4794

Deuteranopia

43.1194, 0.4554, 0.4463



Tritanopia

43.3475, 0.2672, 0.3079

Trichromacy



Original Color

43.7920, 0.3431, 0.5457

Protanomaly

42.7332, 0.3978, 0.5058

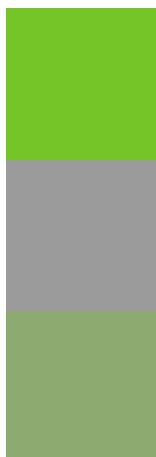
Deuteranomaly

42.0076, 0.4116, 0.4834

Tritanomaly

42.6057, 0.3015, 0.4024

Monochromacy



Original Color

43.7920, 0.3431, 0.5457

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

35.6044, 0.3336, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7920, 0.3431, 0.5457 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(116, 197, 39)` looks like.

```
.text, #text, p{  
    color:rgb(116, 197, 39)  
}
```

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(116, 197, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 197, 39) }
```

Border

The CSS property to change the border of an element to Yxy 43.7920, 0.3431, 0.5457 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(116, 197, 39) }
```

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

```
.border{ border-color:rgb(116, 197, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 197, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 197, 39); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 197, 39); box-shadow:4px 4px 4px 4px rgb(116, 197, 39) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7920, 0.3431, 0.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 197, 39) }
```

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

```
.background{ background-color: rgb(116,  
197, 39) }
```

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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