

Converting Colors

$Yxy(41.6133, 0.3191, 0.5222)$

Have a look what the booklet for
Yxy(41.6133, 0.3191, 0.5222)
contains.

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Color

Yxy(41.6352, 0.3193, 0.5220)

Conversions

Conversions Part 1

Format	Color
Hex	62C247
RGB	98, 194, 71
RGB Percent	38%, 76%, 28%
CMY	0.6156, 0.2392, 0.7215
CMYK	0.49, 0.00, 0.63, 0.24
HSL	107°, 50%, 52%
HSV	107°, 63%, 76%
XYZ	25.4677, 41.6352, 12.6581
YIQ	151.2740, -17.7330, -58.6050

Conversions

Conversions Part 2

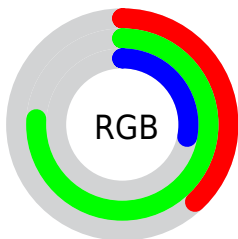
Format	Color
RYB	71, 194, 167
Decimal	6472263
CIELab	70.62, -51.01, 51.73
CIELCh	71, 72.652, 134.599
Yxy	41.6352, 0.3193, 0.5220
Android (android.graphics.Color)	4284662343 (0xFF62C247)
YUV	151.2740, -39.5751, -46.7213
Hunter-Lab	64.5253, -42.4668, 33.5367

Details

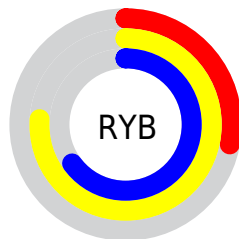
The Yxy color **41.6352, 0.3193, 0.5220** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **16.6204, 0.2870, 0.1708**, and the grayscale version is **31.2527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5175, 0.3227, 0.4825**, and **18.8272, 0.3092, 0.5852** is the 20% darker color. If you saturate the color by 10%, you get **40.6620, 0.3173, 0.5499**, and if you desaturate by 10%, it is **42.8507, 0.3202, 0.4903**.

Distribution



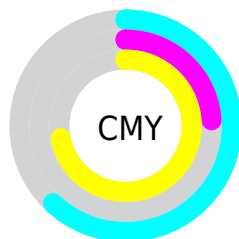
- Red (38%)
- Green (76%)
- Blue (28%)



- Red (28%)
- Yellow (76%)
- Blue (65%)



- Cyan (49%)
- Magenta (0%)
- Yellow (63%)
- Black (24%)





- Cyan (62%)
- Magenta (24%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6352, 0.3193, 0.5220 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 41.6352, 0.3193, 0.5220 by changing the saturation by 10% instead.


 41.6352, 0.3193,
0.5220


 41.6352, 0.3193,
0.5220


352.9685, 0.3223,
0.4176

 28.8158, 0.3157,
0.5495


 77.6472, 0.3223,
0.4827

 18.9415, 0.3092,
0.5850

 101.6086, 0.3229,
0.4683


 11.6280, 0.2970,
0.6315


 130.0527, 0.3231,
0.4562

 6.4909, 0.2808,
0.7111

 163.3640, 0.3231,
0.4461

 3.1458, 0.2276,
0.7724

 201.9268, 0.3230,
0.4374

 1.2083, 0.0000,
1.0000

246.1255, 0.3228,

 0.0685, 0.0000,

0.4299

1.0000

296.3446, 0.3226,
0.4233

■ 0.0000, 0.0000,
0.0000

■ 41.6352, 0.3193,
0.5220

■ 41.6352, 0.3193,
0.5220

■ 40.6620, 0.3173,
0.5499

■ 42.8507, 0.3202,
0.4903

■ 39.9091, 0.3142,
0.5721

■ 44.3185, 0.3201,
0.4570

■ 39.3587, 0.3104,
0.5871

■ 46.0541, 0.3192,
0.4239

■ 39.0889, 0.3079,
0.5937

■ 48.0704, 0.3176,
0.3925

■ 50.3792, 0.3157,
0.3635

■ 52.9918, 0.3135,
0.3372

■ 55.9190, 0.3112,
0.3139

■ 59.1707, 0.3089,
0.2933

■ 62.7566, 0.3066,
0.2753

Harmonies

Analogous

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



41.6352, 0.4131, 0.5054



41.6352, 0.3193, 0.5220



41.6352, 0.2287, 0.4487

Triad

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



41.6352, 0.3193, 0.5220



41.6352, 0.1540, 0.1900



41.6352, 0.4789, 0.3003

Complementary

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



41.6352, 0.3193, 0.5220



16.6204, 0.2870, 0.1708

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.



41.6352, 0.3827, 0.2404



41.6352, 0.3193, 0.5220



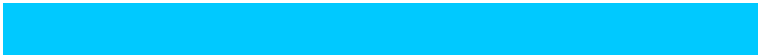
41.6352, 0.1973, 0.1798

Square

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



41.6352, 0.3193, 0.5220



41.6352, 0.1434, 0.2360



41.6352, 0.2762, 0.1979



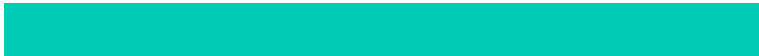
41.6352, 0.5170, 0.3685

Rectangle

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



41.6352, 0.3193, 0.5220



41.6352, 0.1831, 0.3678



41.6352, 0.2762, 0.1979



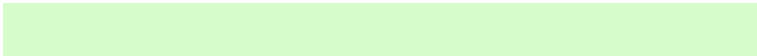
41.6352, 0.4514, 0.2790

Sweetspot

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



41.6370, 0.3193, 0.5220



88.7357, 0.3169, 0.3803



38.9455, 0.4223, 0.4457



19.1732, 0.3174, 0.3889



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.



41.6370, 0.3193, 0.5220



73.1022, 0.3162, 0.5592



40.9204, 0.2870, 0.4816



11.3630, 0.3148, 0.3526



25.7295, 0.3086, 0.5932



1.1430, 0.3246, 0.5805

Inverse Universe

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



16.6204, 0.2870, 0.1708



24.1016, 0.2790, 0.1463



18.5591, 0.3630, 0.2176



10.1324, 0.3103, 0.3061



6.9501, 0.2665, 0.1242



0.3286, 0.2793, 0.1312

Previews

White Background



This preview shows how the Yxy color 41.6352, 0.3193, 0.5220 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 41.6352, 0.3193, 0.5220 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 41.6352, 0.3193, 0.5220

Background



This preview shows how black text looks on a background with the Yxy color 41.6352, 0.3193, 0.5220.



This preview shows how white text looks on a background with the Yxy color 41.6352, 0.3193, 0.5220.

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

41.6352, 0.3193, 0.5220

Protanopia

41.0932, 0.4184, 0.4592

Deuteranopia

40.7706, 0.4356, 0.4259



Tritanopia

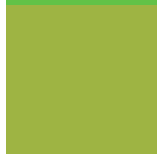
41.5790, 0.2577, 0.3086

Trichromacy



Original Color

41.6352, 0.3193, 0.5220



Protanomaly

40.3169, 0.3779, 0.4847



Deuteranomaly

39.4659, 0.3886, 0.4609



Tritanomaly

40.8629, 0.2815, 0.3840

Monochromacy



Original Color

41.6352, 0.3193, 0.5220



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.9481, 0.3183, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6352, 0.3193, 0.5220 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, 194, 71)` looks like.

```
.text, #text, p{  
    color:rgb(98, 194, 71)  
}
```

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, 194, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 194, 71) }
```

Border

The CSS property to change the border of an element to Yxy 41.6352, 0.3193, 0.5220 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, 194, 71) }
```

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

```
.border{ border-color:rgb(98, 194, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 194, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 194, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 194, 71);  
box-shadow:4px 4px 4px 4px rgb(98, 194,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6352, 0.3193, 0.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 194, 71) }
```

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

```
.background{ background-color: rgb(98, 194,  
71) }
```

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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