

Converting Colors

$Y_{xy}(45.3177, 0.3563, 0.5416)$

Have a look what the booklet for
Yxy(45.3177, 0.3563, 0.5416)
contains.

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Color

Yxy(45.3177, 0.3563, 0.5416)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 83C620 |
| RGB | 131, 198, 32 |
| RGB Percent | 51%, 78%, 13% |
| CMY | 0.4863, 0.2235, 0.8744 |
| CMYK | 0.34, 0.00, 0.84, 0.22 |
| HSL | 84°, 72%, 45% |
| HSV | 84°, 84%, 78% |
| XYZ | 29.8130, 45.3177, 8.5431 |
| YIQ | 159.0430, 13.3540, -65.8300 |

Conversions

Conversions Part 2

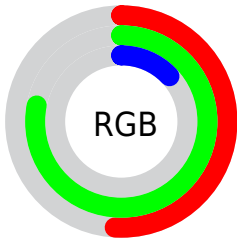
| Format | Color |
|-------------------------------------|--|
| RYB | 32, 198, 99 |
| Decimal | 8635936 |
| CIELab | 73.10, -44.33, 68.00 |
| CIElCh | 73, 81.174, 123.101 |
| Yxy | 45.3177, 0.3563, 0.5416 |
| Android (android.graphics.Color) | 4286826016 (0xFF83C620) |
| YUV | 159.0430, -62.6322, -24.5937 |
| Hunter-Lab | 67.3184, -38.7559, 39.5987 |

Details

The Yxy color **45.3177, 0.3563, 0.5416** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7.7667, 0.2041, 0.0999**, and the grayscale version is **34.9794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1470, 0.3552, 0.5025**, and **21.3630, 0.3389, 0.5691** is the 20% darker color. If you saturate the color by 10%, you get **44.6285, 0.3530, 0.5542**, and if you desaturate by 10%, it is **46.1248, 0.3572, 0.5238**.

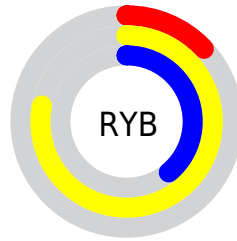
Distribution



Red (51%)

Green (78%)

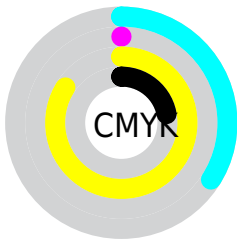
Blue (13%)



Red (13%)

Yellow (78%)

Blue (39%)

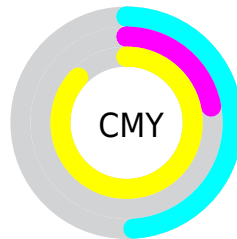


Cyan (34%)

Magenta (0%)

Yellow (84%)

Black (22%)



Cyan (49%)


Magenta (22%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3177, 0.3563, 0.5416 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 45.3177, 0.3563, 0.5416 by changing the saturation by 10% instead.


 45.3177, 0.3563,
0.5416


 45.3177, 0.3563,
0.5416


368.0587, 0.3442,
0.4325


 31.7077, 0.3550,
0.5672


 83.1969, 0.3549,
0.5026


 21.1384, 0.3505,
0.5980


 108.2350, 0.3535,
0.4876


 13.2252, 0.3414,
0.6374

 137.8513, 0.3519,
0.4749

 7.5838, 0.3195,
0.6805

 172.4301, 0.3502,
0.4640

 3.8298, 0.2756,
0.7244

 212.3558, 0.3486,
0.4545

 1.5788, 0.1580,
0.8420

 258.0129, 0.3471,

 0.3433, 0.0000,

0.4462

1.0000

309.7858, 0.3456,
0.4389

■ 0.0000, 0.0000,
0.0000

■ 45.3177, 0.3563,
0.5416

■ 45.3177, 0.3563,
0.5416

■ 44.6285, 0.3530,
0.5542

■ 46.1248, 0.3572,
0.5238

■ 44.2467, 0.3503,
0.5601

■ 47.0549, 0.3558,
0.5015

■ 48.1195, 0.3521,
0.4758

■ 49.3267, 0.3467,
0.4480

■ 50.6841, 0.3399,
0.4194

■ 52.1984, 0.3322,
0.3910

■ 53.8759, 0.3241,
0.3638

■ 55.7226, 0.3159,
0.3383

■ 57.7440, 0.3077,
0.3147

Harmonies

Analogous

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



45.3177, 0.4517, 0.4919



45.3177, 0.3563, 0.5416



45.3177, 0.2555, 0.5031

Triad

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



45.3177, 0.3563, 0.5416



45.3177, 0.1360, 0.1934



45.3177, 0.4580, 0.2713

Complementary

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



45.3177, 0.3563, 0.5416



7.7667, 0.2041, 0.0999

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.



45.3177, 0.3419, 0.2143



45.3177, 0.3563, 0.5416



45.3177, 0.1677, 0.1705

Square

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



45.3177, 0.3563, 0.5416



45.3177, 0.1373, 0.2591



45.3177, 0.2360, 0.1789



45.3177, 0.5268, 0.3399

Rectangle

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



45.3177, 0.3563, 0.5416



45.3177, 0.1984, 0.4231



45.3177, 0.2360, 0.1789



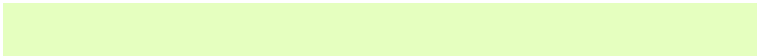
45.3177, 0.4215, 0.2505

Sweetspot

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



45.3197, 0.3563, 0.5416



91.9931, 0.3334, 0.3954



20.9242, 0.5294, 0.3962



19.4820, 0.3362, 0.4054



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.



45.3197, 0.3563, 0.5416



78.1986, 0.3494, 0.5608



41.1393, 0.3057, 0.5794



12.1952, 0.3204, 0.3523



28.8234, 0.3512, 0.5594



1.4062, 0.3653, 0.5481

Inverse Universe

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



7.7667, 0.2041, 0.0999



10.1016, 0.1832, 0.0783



14.9848, 0.2998, 0.1505



10.4930, 0.3045, 0.3056



3.8063, 0.1860, 0.0798



0.2223, 0.2102, 0.0932

Previews

White Background



This preview shows how the Yxy color 45.3177, 0.3563, 0.5416 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 45.3177, 0.3563, 0.5416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

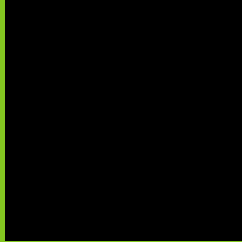
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3177, 0.3563, 0.5416

Background



This preview shows how black text looks on a background with the Yxy color 45.3177, 0.3563, 0.5416.



This preview shows how white text looks on a background with the Yxy color 45.3177, 0.3563, 0.5416.

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

45.3177, 0.3563, 0.5416

Protanopia

44.7368, 0.4359, 0.4827

Deuteranopia

44.8185, 0.4584, 0.4498



Tritanopia

44.9838, 0.2758, 0.3085

Trichromacy



Original Color

45.3177, 0.3563, 0.5416

Protanomaly

44.4366, 0.4056, 0.5051

Deuteranomaly

43.7641, 0.4199, 0.4837

Tritanomaly

44.1595, 0.3140, 0.4044

Monochromacy



Original Color

45.3177, 0.3563, 0.5416

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

37.4690, 0.3405, 0.4208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3177, 0.3563, 0.5416 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(131, 198, 32)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 32)  
}
```

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(131, 198, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 32) }
```

Border

The CSS property to change the border of an element to Yxy 45.3177, 0.3563, 0.5416 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(131, 198, 32) }
```

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

```
.border{ border-color:rgb(131, 198, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 198, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 32);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3177, 0.3563, 0.5416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 198, 32) }
```

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

```
.background{ background-color: rgb(131,  
198, 32) }
```

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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