

Converting Colors

$Y_{xy}(41.3355, 0.3561, 0.5453)$

Have a look what the booklet for
Yxy(41.3355, 0.3561, 0.5453)
contains.

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Color

Yxy(41.1822, 0.3561, 0.5452)

Conversions

Conversions Part 1

Format	Color
Hex	7CBE19
RGB	124, 190, 25
RGB Percent	49%, 75%, 10%
CMY	0.5139, 0.2549, 0.9016
CMYK	0.35, 0.00, 0.87, 0.25
HSL	84°, 77%, 42%
HSV	84°, 87%, 75%
XYZ	26.8984, 41.1822, 7.4554
YIQ	151.4560, 13.6290, -65.3070

Conversions

Conversions Part 2

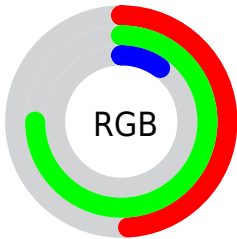
Format	Color
RYB	25, 190, 91
Decimal	8175129
CIELab	70.30, -43.73, 66.98
CIElCh	70, 79.987, 123.139
Yxy	41.1822, 0.3561, 0.5452
Android (android.graphics.Color)	4286365209 (0xFF7CBE19)
YUV	151.4560, -62.3428, -24.0789
Hunter-Lab	64.1734, -37.4849, 38.0333

Details

The Yxy color **41.1822, 0.3561, 0.5452** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **6.6479, 0.1999, 0.0951**, and the grayscale version is **31.4240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0666, 0.3545, 0.5048**, and **18.8016, 0.3373, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **40.5817, 0.3524, 0.5564**, and if you desaturate by 10%, it is **41.8847, 0.3576, 0.5289**.

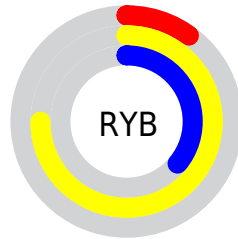
Distribution



Red (49%)

Green (75%)

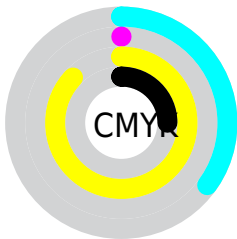
Blue (10%)



Red (10%)

Yellow (75%)

Blue (36%)

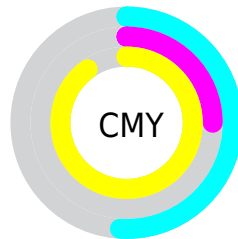


Cyan (35%)

Magenta (0%)

Yellow (87%)

Black (25%)



Cyan (51%)


Magenta (25%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1822, 0.3561, 0.5452 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 41.1822, 0.3561, 0.5452 by changing the saturation by 10% instead.


 41.1822, 0.3561,
0.5452


 41.1822, 0.3561,
0.5452


351.0815, 0.3442,
0.4326


 28.4615, 0.3544,
0.5720


 76.9604, 0.3550,
0.5046

 18.6738, 0.3490,
0.6043


 100.7867, 0.3536,
0.4891


 11.4348, 0.3403,
0.6497


 129.0836, 0.3519,
0.4760

 6.3601, 0.3116,
0.6884

 162.2355, 0.3503,
0.4648

 3.0653, 0.2623,
0.7377

 200.6269, 0.3486,
0.4550

 1.1659, 0.0141,
0.9859

 244.6421, 0.3471,

 0.0336, 0.0000,

0.4466

1.0000

294.6655, 0.3456,
0.4392

■ 0.0000, 0.0000,
0.0000

■ 41.1822, 0.3561,
0.5452

■ 41.1822, 0.3561,
0.5452

■ 40.5817, 0.3524,
0.5564

■ 41.8847, 0.3576,
0.5289

■ 40.4029, 0.3510,
0.5595

■ 42.6956, 0.3568,
0.5079

■ 43.6254, 0.3537,
0.4831

■ 44.6818, 0.3486,
0.4559

■ 45.8717, 0.3421,
0.4275

■ 47.2014, 0.3347,
0.3991

■ 48.6767, 0.3266,
0.3716

■ 50.3030, 0.3183,
0.3456

■ 52.0856, 0.3101,
0.3215

Harmonies

Analogous

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



41.1822, 0.4529, 0.4937



41.1822, 0.3561, 0.5452



41.1822, 0.2541, 0.5065

Triad

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



41.1822, 0.3561, 0.5452



41.1822, 0.1338, 0.1913



41.1822, 0.4605, 0.2703

Complementary

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



41.1822, 0.3561, 0.5452



6.6479, 0.1999, 0.0951

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.



41.1822, 0.3424, 0.2128



41.1822, 0.3561, 0.5452



41.1822, 0.1658, 0.1685

Square

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



41.1822, 0.3561, 0.5452



41.1822, 0.1350, 0.2576



41.1822, 0.2349, 0.1771



41.1822, 0.5303, 0.3395

Rectangle

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



41.1822, 0.3561, 0.5452



41.1822, 0.1964, 0.4247



41.1822, 0.2349, 0.1771



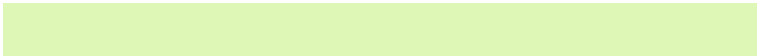
41.1822, 0.4235, 0.2493

Sweetspot

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



41.1840, 0.3561, 0.5452



85.6224, 0.3344, 0.3981



18.5107, 0.5371, 0.3952



18.6091, 0.3371, 0.4079



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.1840, 0.3561, 0.5452



73.0597, 0.3500, 0.5603



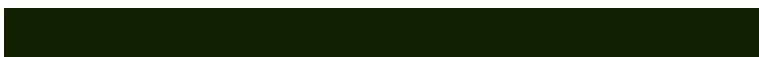
37.3848, 0.3050, 0.5839



10.9248, 0.3204, 0.3521



26.9095, 0.3518, 0.5588



1.0912, 0.3680, 0.5460

Inverse Universe

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



6.6479, 0.1999, 0.0951



9.3925, 0.1828, 0.0781



13.3604, 0.2992, 0.1481



9.4068, 0.3045, 0.3057



3.5391, 0.1857, 0.0797



0.1768, 0.2140, 0.0953

Previews

White Background



This preview shows how the Yxy color 41.1822, 0.3561, 0.5452 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 41.1822, 0.3561, 0.5452 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 41.1822, 0.3561, 0.5452

Background



This preview shows how black text looks on a background with the Yxy color 41.1822, 0.3561, 0.5452.



This preview shows how white text looks on a background with the Yxy color 41.1822, 0.3561, 0.5452.

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

41.1822, 0.3561, 0.5452

Protanopia

40.8895, 0.4372, 0.4849

Deuteranopia

40.4622, 0.4610, 0.4508



Tritanopia

41.0455, 0.2745, 0.3091

Trichromacy



Original Color

41.1822, 0.3561, 0.5452

Protanomaly

40.6192, 0.4057, 0.5086

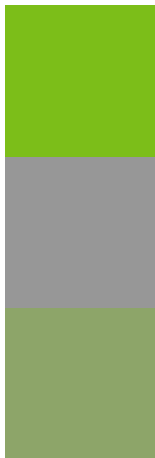
Deuteranomaly

39.5775, 0.4219, 0.4860

Tritanomaly

40.3288, 0.3131, 0.4076

Monochromacy



Original Color

41.1822, 0.3561, 0.5452

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.5929, 0.3416, 0.4252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1822, 0.3561, 0.5452 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(124, 190, 25)` looks like.

```
.text, #text, p{  
    color:rgb(124, 190, 25)  
}
```

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(124, 190, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 190, 25) }
```

Border

The CSS property to change the border of an element to Yxy 41.1822, 0.3561, 0.5452 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(124, 190, 25) }
```

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

```
.border{ border-color:rgb(124, 190, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 190, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 190, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 190, 25);  
box-shadow:4px 4px 4px 4px rgb(124, 190,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1822, 0.3561, 0.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 190, 25) }
```

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

```
.background{ background-color: rgb(124,  
190, 25) }
```

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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