

Converting Colors

$Y_{xy}(41.2389, 0.3539, 0.5572)$

Have a look what the booklet for
Yxy(41.2389, 0.3539, 0.5572)
contains.

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Color

Yxy(41.1132, 0.3538, 0.5573)

Conversions

Conversions Part 1

Format	Color
Hex	76BF00
RGB	118, 191, 0
RGB Percent	46%, 75%, 0%
CMY	0.5373, 0.2510, 1.0000
CMYK	0.38, 0.00, 1.00, 0.25
HSL	83°, 100%, 37%
HSV	83°, 100%, 75%
XYZ	26.1006, 41.1132, 6.5583
YIQ	147.3990, 17.8030, -74.8770

Conversions

Conversions Part 2

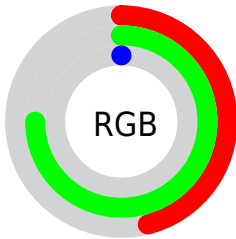
Format	Color
RYB	0, 191, 73
Decimal	7782144
CIELab	70.26, -46.80, 70.32
CIELCh	70, 84.466, 123.644
Yxy	41.1132, 0.3538, 0.5573
Android (android.graphics.Color)	4285972224 (0xFF76BF00)
YUV	147.3990, -72.6677, -25.7829
Hunter-Lab	64.1196, -39.5489, 38.8193

Details

The Yxy color **41.1132, 0.3538, 0.5573** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **5.1791, 0.1814, 0.0773**, and the grayscale version is **29.6533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9441, 0.3539, 0.5146**, and **18.8211, 0.3294, 0.5767** is the 20% darker color. If you saturate the color by 10%, you get **41.1151, 0.3538, 0.5573**, and if you desaturate by 10%, it is **41.6936, 0.3577, 0.5473**.

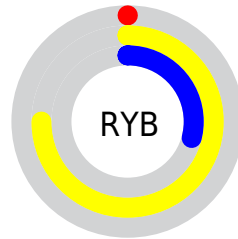
Distribution



Red (46%)

Green (75%)

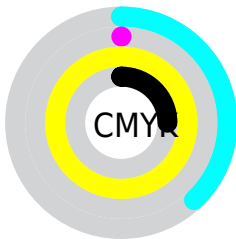
Blue (0%)



Red (0%)

Yellow (75%)

Blue (29%)

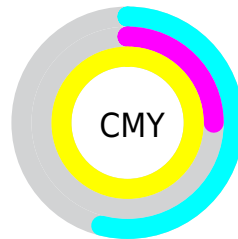


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (54%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1132, 0.3538, 0.5573 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 41.1132, 0.3538, 0.5573 by changing the saturation by 10% instead.


 41.1132, 0.3538,
0.5573


 41.1132, 0.3538,
0.5573


350.7935, 0.3445,
0.4386

 28.4075, 0.3508,
0.5851


 76.8557, 0.3541,
0.5148

 18.6331, 0.3435,
0.6182


 100.6613, 0.3530,
0.4985


 11.4055, 0.3331,
0.6669


 128.9358, 0.3517,
0.4846

 6.3403, 0.2987,
0.7013

 162.0634, 0.3502,
0.4727

 3.0531, 0.2463,
0.7537

 200.4286, 0.3487,
0.4624

 1.1595, 0.0000,
1.0000

 244.4157, 0.3473,

 0.0282, 0.0000,

0.4535

1.0000

294.4092, 0.3459,
0.4456

■ 0.0000, 0.0000,
0.0000

■ 41.1132, 0.3538,
0.5573

■ 41.1132, 0.3538,
0.5573

■ 41.1151, 0.3538,
0.5573

■ 41.6936, 0.3577,
0.5473

■ 42.3590, 0.3598,
0.5330

■ 43.1290, 0.3594,
0.5138

■ 44.0129, 0.3568,
0.4904

■ 45.0187, 0.3520,
0.4641

■ 46.1534, 0.3456,
0.4362

■ 47.4236, 0.3380,
0.4079

■ 48.8350, 0.3298,
0.3802

■ 50.3932, 0.3213,
0.3537

Harmonies

Analogous

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



41.1132, 0.4553, 0.5004



41.1132, 0.3538, 0.5573



41.1132, 0.2481, 0.5166

Triad

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



41.1132, 0.3538, 0.5573



41.1132, 0.1272, 0.1841



41.1132, 0.4704, 0.2681

Complementary

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



41.1132, 0.3538, 0.5573



5.1791, 0.1814, 0.0773

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.



41.1132, 0.3456, 0.2086



41.1132, 0.3538, 0.5573



41.1132, 0.1605, 0.1618

Square

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



41.1132, 0.3538, 0.5573



41.1132, 0.1273, 0.2512



41.1132, 0.2325, 0.1714



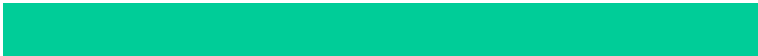
41.1132, 0.5420, 0.3391

Rectangle

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



41.1132, 0.3538, 0.5573



41.1132, 0.1887, 0.4279



41.1132, 0.2325, 0.1714



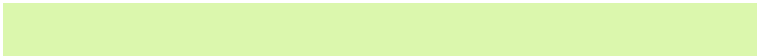
41.1132, 0.4314, 0.2464

Sweetspot

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



41.1151, 0.3538, 0.5573



84.8159, 0.3384, 0.4093



15.4620, 0.5793, 0.3782



18.4060, 0.3417, 0.4213



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.



41.1151, 0.3538, 0.5573



73.4879, 0.3528, 0.5580



37.4771, 0.3035, 0.5972



10.9334, 0.3207, 0.3521



27.0657, 0.3546, 0.5566



1.0967, 0.3703, 0.5442

Inverse Universe

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



5.1791, 0.1814, 0.0773



9.1463, 0.1799, 0.0765



11.8191, 0.2874, 0.1357



9.3983, 0.3042, 0.3057



3.4465, 0.1828, 0.0781



0.1728, 0.2112, 0.0937

Previews

White Background



This preview shows how the Yxy color 41.1132, 0.3538, 0.5573 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 41.1132, 0.3538, 0.5573 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 41.1132, 0.3538, 0.5573

Background



This preview shows how black text looks on a background with the Yxy color 41.1132, 0.3538, 0.5573.



This preview shows how white text looks on a background with the Yxy color 41.1132, 0.3538, 0.5573.

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

41.1132, 0.3538, 0.5573

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

40.4277, 0.4630, 0.4533



Tritanopia

41.1355, 0.2710, 0.3090

Trichromacy



Original Color

41.1132, 0.3538, 0.5573

Protanomaly

39.9478, 0.4076, 0.5145

Deuteranomaly

39.6564, 0.4225, 0.4937

Tritanomaly

40.0974, 0.3155, 0.4244

Monochromacy



Original Color

41.1132, 0.3538, 0.5573

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

32.2368, 0.3462, 0.4417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1132, 0.3538, 0.5573 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(118, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 191, 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(118, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.1132, 0.3538, 0.5573 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(118, 191, 0) }
```

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

```
.border{ border-color:rgb(118, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1132, 0.3538, 0.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 191, 0) }
```

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

```
.background{ background-color: rgb(118,  
191, 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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