

Converting Colors

$Y_{xy}(41.6249, 0.3720, 0.5428)$

Have a look what the booklet for
Yxy(41.6249, 0.3720, 0.5428)
contains.

Yxy(41.7136, 0.3714, 0.5433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.7136, 0.3714, 0.5433)

Conversions

Conversions Part 1

Format	Color
Hex	89BD00
RGB	137, 189, 0
RGB Percent	54%, 74%, 0%
CMY	0.4627, 0.2588, 0.9998
CMYK	0.28, 0.00, 1.00, 0.26
HSL	77°, 100%, 37%
HSV	77°, 100%, 74%
XYZ	28.5154, 41.7136, 6.5492
YIQ	151.9060, 29.6770, -69.8030

Conversions

Conversions Part 2

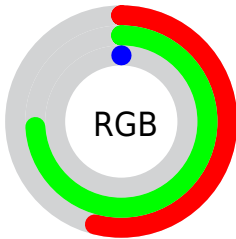
Format	Color
RYB	0, 189, 52
Decimal	9026816
CIELab	70.67, -38.87, 71.07
CIELCh	71, 81.008, 118.673
Yxy	41.7136, 0.3714, 0.5433
Android (android.graphics.Color)	4287216896 (0xFF89BD00)
YUV	151.9060, -74.8897, -13.0726
Hunter-Lab	64.5861, -34.2160, 39.1981

Details

The Yxy color **41.7136, 0.3714, 0.5433** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.4060, 0.1671, 0.0694**, and the grayscale version is **31.6804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0928, 0.3680, 0.5049**, and **19.0334, 0.3516, 0.5590** is the 20% darker color. If you saturate the color by 10%, you get **41.7144, 0.3714, 0.5433**, and if you desaturate by 10%, it is **42.2124, 0.3739, 0.5348**.

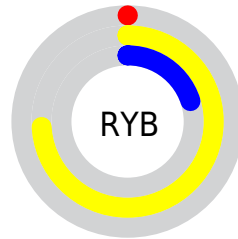
Distribution



Red (54%)

Green (74%)

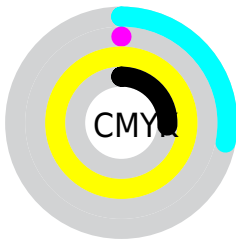
Blue (0%)



Red (0%)

Yellow (74%)

Blue (20%)

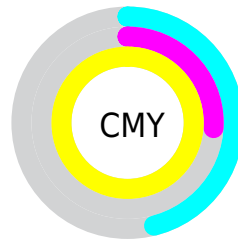


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (46%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7136, 0.3714, 0.5433 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 41.7136, 0.3714, 0.5433 by changing the saturation by 10% instead.

 41.7136, 0.3714,
0.5433

 41.7136, 0.3714,
0.5433


353.2943, 0.3527,
0.4342

 28.8771, 0.3709,
0.5680


 77.7660, 0.3682,
0.5049


 18.9879, 0.3669,
0.5970


 101.7507, 0.3658,
0.4899


 11.6615, 0.3611,
0.6389


 130.2202, 0.3634,
0.4771

 6.5136, 0.3330,
0.6670

 163.5589, 0.3610,
0.4661

 3.1598, 0.2896,
0.7104

 202.1514, 0.3587,
0.4565

 1.2157, 0.1253,
0.8747

 246.3818, 0.3566,

 0.0745, 0.0000,

0.4482

1.0000

296.6346, 0.3546,
0.4408

■ 0.0000, 0.0000,
0.0000

■ 41.7136, 0.3714,
0.5433

■ 41.7136, 0.3714,
0.5433

■ 41.7144, 0.3714,
0.5433

■ 42.2124, 0.3739,
0.5348

■ 42.7762, 0.3743,
0.5224

■ 43.4235, 0.3722,
0.5052

■ 44.1630, 0.3677,
0.4840

■ 45.0019, 0.3611,
0.4597

■ 45.9465, 0.3528,
0.4335

■ 47.0028, 0.3434,
0.4064

■ 48.1761, 0.3333,
0.3795

■ 49.4712, 0.3229,
0.3535

Harmonies

Analogous

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



41.7136, 0.4662, 0.4832



41.7136, 0.3714, 0.5433



41.7136, 0.2681, 0.5215

Triad

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



41.7136, 0.3714, 0.5433



41.7136, 0.1308, 0.1971



41.7136, 0.4456, 0.2602

Complementary

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



41.7136, 0.3714, 0.5433



4.4060, 0.1671, 0.0694

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.



41.7136, 0.3246, 0.2051



41.7136, 0.3714, 0.5433



41.7136, 0.1579, 0.1687

Square

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



41.7136, 0.3714, 0.5433



41.7136, 0.1370, 0.2715



41.7136, 0.2214, 0.1731



41.7136, 0.5266, 0.3285

Rectangle

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



41.7136, 0.3714, 0.5433



41.7136, 0.2071, 0.4463



41.7136, 0.2214, 0.1731



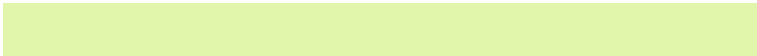
41.7136, 0.4064, 0.2398

Sweetspot

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



41.7155, 0.3714, 0.5433



84.0801, 0.3439, 0.4078



13.1374, 0.6042, 0.3584



17.9051, 0.3479, 0.4192



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.7155, 0.3714, 0.5433



74.5831, 0.3706, 0.5439



36.9347, 0.3089, 0.5929



10.9850, 0.3223, 0.3520



28.1055, 0.3720, 0.5428



1.1318, 0.3838, 0.5334

Inverse Universe

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



4.4060, 0.1671, 0.0694



7.7863, 0.1658, 0.0687



9.6868, 0.2624, 0.1219



9.3490, 0.3026, 0.3056



2.9966, 0.1682, 0.0700



0.1512, 0.1954, 0.0850

Previews

White Background



This preview shows how the Yxy color 41.7136, 0.3714, 0.5433 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 41.7136, 0.3714, 0.5433 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 41.7136, 0.3714, 0.5433

Background



This preview shows how black text looks on a background with the Yxy color 41.7136, 0.3714, 0.5433.



This preview shows how white text looks on a background with the Yxy color 41.7136, 0.3714, 0.5433.

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

41.7136, 0.3714, 0.5433

Protanopia

41.3565, 0.4398, 0.4890

Deuteranopia

41.0674, 0.4649, 0.4544



Tritanopia

41.7369, 0.2843, 0.3096

Trichromacy



Original Color

41.7136, 0.3714, 0.5433

Protanomaly

41.1244, 0.4135, 0.5099

Deuteranomaly

40.2543, 0.4317, 0.4877

Tritanomaly

40.7241, 0.3313, 0.4191

Monochromacy



Original Color

41.7136, 0.3714, 0.5433

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.9764, 0.3543, 0.4354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7136, 0.3714, 0.5433 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(137, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 189, 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(137, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.7136, 0.3714, 0.5433 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(137, 189, 0) }
```

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

```
.border{ border-color:rgb(137, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7136, 0.3714, 0.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 189, 0) }
```

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

```
.background{ background-color: rgb(137,  
189, 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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