

Converting Colors

$Yxy(77.3263, 0.3666, 0.5396)$

Have a look what the booklet for
Yxy(77.3263, 0.3666, 0.5396)
contains.

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Color

Yxy(77.3153, 0.3664, 0.5397)

Conversions

Conversions Part 1

Format	Color
Hex	B2F91F
RGB	178, 249, 31
RGB Percent	70%, 98%, 12%
CMY	0.3018, 0.0235, 0.8785
CMYK	0.28, 0.00, 0.88, 0.02
HSL	80°, 95%, 55%
HSV	80°, 88%, 98%
XYZ	52.4890, 77.3153, 13.4517
YIQ	202.9190, 27.6620, -82.8500

Conversions

Conversions Part 2

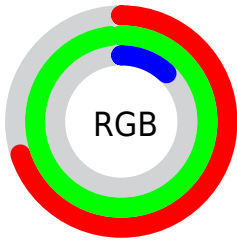
Format	Color
R _Y B	31, 249, 102
Decimal	11729183
CIE Lab	90.47, -48.69, 83.95
CIE LCh	90, 97.051, 120.113
Yxy	77.3153, 0.3664, 0.5397
Android (android.graphics.Color)	4289919263 (0xFFB2F91F)
YUV	202.9190, -84.7561, -21.8540
Hunter-Lab	87.9291, -47.3209, 52.4800

Details

The Yxy color **77.3153, 0.3664, 0.5397** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **10.6415, 0.1857, 0.0857**, and the grayscale version is **60.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6764, 0.3854, 0.4757**, and **41.5508, 0.3533, 0.5577** is the 20% darker color. If you saturate the color by 10%, you get **76.3023, 0.3631, 0.5489**, and if you desaturate by 10%, it is **78.4919, 0.3674, 0.5256**.

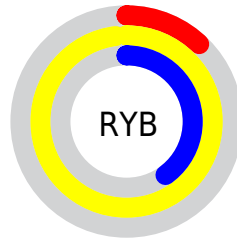
Distribution



Red (70%)

Green (98%)

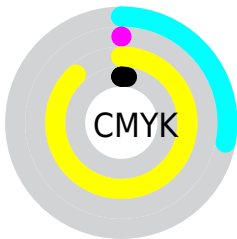
Blue (12%)



Red (12%)

Yellow (98%)

Blue (40%)

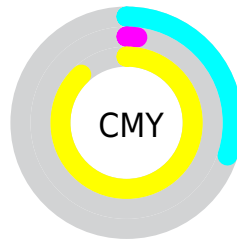


Cyan (28%)

Magenta (0%)

Yellow (88%)

Black (2%)



Cyan (30%)


Magenta (2%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3153, 0.3664, 0.5397 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 77.3153, 0.3664, 0.5397 by changing the saturation by 10% instead.


 77.3153, 0.3664,
0.5397


 77.3153, 0.3664,
0.5397

485.8384, 0.3523,
0.4427


 57.5117, 0.3662,
0.5598


 129.5845, 0.3642,
0.5073

 41.4162, 0.3641,
0.5830


 162.8188, 0.3625,
0.4943


 28.6444, 0.3587,
0.6095


 201.2988, 0.3607,
0.4829

 18.8120, 0.3496,
0.6431

 245.4090, 0.3589,
0.4728

 11.5345, 0.3273,
0.6727

 295.5336, 0.3572,
0.4640

 6.4276, 0.2919,
0.7081

352.0571, 0.3554,

 3.1068, 0.2381,

0.4561

0.7619

415.3639, 0.3538,
0.4490

■ 1.1877, 0.0000,
1.0000

■ 0.0516, 0.0000,
1.0000

■ 77.3153, 0.3664,
0.5397

■ 77.3153, 0.3664,
0.5397

■ 76.3023, 0.3631,
0.5489


■ 78.4919, 0.3674,
0.5256

■ 76.0696, 0.3621,
0.5507


■ 79.8436, 0.3658,
0.5065

■ 81.3905, 0.3618,
0.4834


■ 83.1471, 0.3557,
0.4574

 85.1260, 0.3479,
0.4298

 87.3388, 0.3391,
0.4017

 89.7961, 0.3296,
0.3741

 92.5076, 0.3200,
0.3478

 95.4767, 0.3105,
0.3232

Harmonies

Analogous

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



77.3153, 0.4601, 0.4847



77.3153, 0.3664, 0.5397



77.3153, 0.2651, 0.5121

Triad

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



77.3153, 0.3664, 0.5397



77.3153, 0.1345, 0.1977



77.3153, 0.4476, 0.2649

Complementary

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



77.3153, 0.3664, 0.5397



10.6415, 0.1857, 0.0857

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.



77.3153, 0.3301, 0.2096



77.3153, 0.3664, 0.5397



77.3153, 0.1629, 0.1712

Square

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



77.3153, 0.3664, 0.5397



77.3153, 0.1392, 0.2685



77.3153, 0.2274, 0.1768



77.3153, 0.5235, 0.3328

Rectangle

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



77.3153, 0.3664, 0.5397



77.3153, 0.2059, 0.4367



77.3153, 0.2274, 0.1768



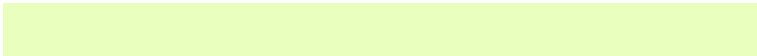
77.3153, 0.4100, 0.2445

Sweetspot

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



77.3187, 0.3664, 0.5397



92.5753, 0.3377, 0.3974



29.3584, 0.5633, 0.3770



19.6325, 0.3409, 0.4071



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.



77.3187, 0.3664, 0.5397



80.2900, 0.3620, 0.5508



69.1877, 0.3095, 0.5833



19.8911, 0.3218, 0.3528



40.7995, 0.3630, 0.5500



3.8360, 0.3698, 0.5446

Inverse Universe

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



10.6415, 0.1857, 0.0857



9.0593, 0.1717, 0.0720



21.3791, 0.2801, 0.1364



16.9173, 0.3030, 0.3048



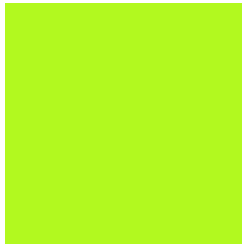
4.6667, 0.1733, 0.0729



0.4870, 0.1860, 0.0798

Previews

White Background



This preview shows how the Yxy color 77.3153, 0.3664, 0.5397 looks on a white background.

Color Contrast Check

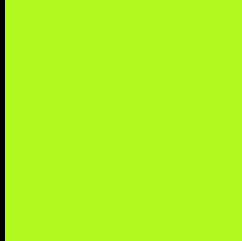
Large Text (above 18pt) WCAG AA × Fail

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 77.3153, 0.3664, 0.5397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

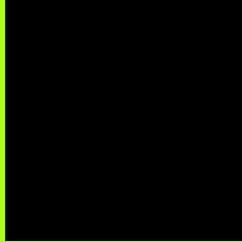
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3153, 0.3664, 0.5397

Background



This preview shows how black text looks on a background with the Yxy color 77.3153, 0.3664, 0.5397.



This preview shows how white text looks on a background with the Yxy color 77.3153, 0.3664, 0.5397.

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

77.3153, 0.3664, 0.5397

Protanopia

76.3954, 0.4345, 0.4796

Deuteranopia

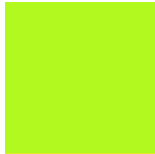
76.6371, 0.3691, 0.3762



Tritanopia

77.0329, 0.2821, 0.3096

Trichromacy



Original Color

77.3153, 0.3664, 0.5397



Protanomaly

75.9077, 0.4087, 0.5021



Deuteranomaly

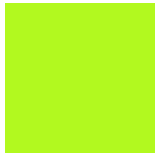
75.4742, 0.3782, 0.4452



Tritanomaly

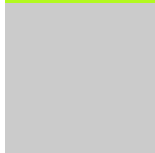
75.3888, 0.3240, 0.4083

Monochromacy



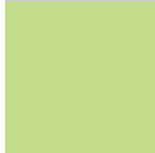
Original Color

77.3153, 0.3664, 0.5397



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.5492, 0.3467, 0.4257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3153, 0.3664, 0.5397 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(178, 249, 31)` looks like.

```
.text, #text, p{  
    color:rgb(178, 249, 31)  
}
```

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(178, 249, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 249, 31) }
```

Border

The CSS property to change the border of an element to Yxy 77.3153, 0.3664, 0.5397 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(178, 249, 31) }
```

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

```
.border{ border-color:rgb(178, 249, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 249, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 249, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 249, 31);  
box-shadow:4px 4px 4px 4px rgb(178, 249,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3153, 0.3664, 0.5397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 249, 31) }
```

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

```
.background{ background-color: rgb(178,  
249, 31) }
```

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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