

Converting Colors

$Y_{xy}(82.7857, 0.3757, 0.5399)$

Have a look what the booklet for
Yxy(82.7857, 0.3757, 0.5399)
contains.

Yxy(82.7265, 0.3754, 0.5401)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.7265, 0.3754, 0.5401)

Conversions

Conversions Part 1

Format	Color
Hex	C0FF00
RGB	192, 255, 0
RGB Percent	75%, 100%, 0%
CMY	0.2471, 0.0000, 0.9991
CMYK	0.25, 0.00, 1.00, 0.00
HSL	75°, 100%, 50%
HSV	75°, 100%, 100%
XYZ	57.4996, 82.7265, 12.9428
YIQ	207.0930, 44.3070, -92.6610

Conversions

Conversions Part 2

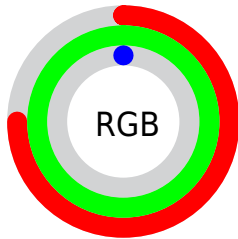
Format	Color
RYB	0, 255, 63
Decimal	12648192
CIELab	92.89, -46.50, 89.41
CIElCh	93, 100.780, 117.476
Yxy	82.7265, 0.3754, 0.5401
Android (android.graphics.Color)	4290838272 (0xFFC0FF00)
YUV	207.0930, -102.0968, -13.2366
Hunter-Lab	90.9541, -46.3251, 55.2309

Details

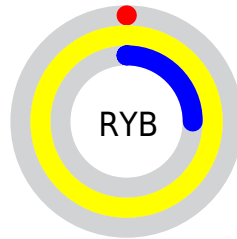
The Yxy color **82.7265, 0.3754, 0.5401** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.2894, 0.1628, 0.0671**, and the grayscale version is **63.1276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2108, 0.3995, 0.4757**, and **45.2937, 0.3615, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **82.7193, 0.3754, 0.5402**, and if you desaturate by 10%, it is **83.6410, 0.3780, 0.5330**.

Distribution



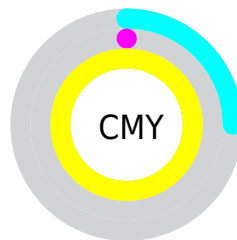
- Red (75%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (25%)



- Cyan (25%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7265, 0.3754, 0.5401 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 82.7265, 0.3754, 0.5401 by changing the saturation by 10% instead.


 82.7265, 0.3754,
0.5401

 82.7265, 0.3754,
0.5401


 504.0746, 0.3583,
0.4456

 61.9646, 0.3756,
0.5589


 137.1923, 0.3724,
0.5092


 45.0041, 0.3741,
0.5802


 171.6650, 0.3703,
0.4966

 31.4606, 0.3694,
0.6041


 211.4767, 0.3682,
0.4855

 20.9499, 0.3618,
0.6344

 257.0119, 0.3661,
0.4756

 13.0873, 0.3412,
0.6588

 308.6548, 0.3640,
0.4668

 7.4887, 0.3103,
0.6897


 366.7900, 0.3620,


 3.7696, 0.2640,

0.4590

0.7360


431.8018, 0.3601,
0.4520

 1.5455, 0.1255,
0.8745


 0.3204, 0.0000,
1.0000


 82.7265, 0.3754,
0.5401


 82.7265, 0.3754,
0.5401

 82.7193, 0.3754,
0.5402

 83.6410, 0.3780,
0.5330


 84.6852, 0.3783,
0.5215

 85.8889, 0.3761,
0.5052


 87.2700, 0.3712,
0.4846

 88.8437, 0.3642,
0.4607

 90.6233, 0.3553,
0.4345

 92.6208, 0.3453,
0.4073

 94.8471, 0.3345,
0.3802

 97.3122, 0.3235,
0.3538

Harmonies

Analogous

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



82.7265, 0.4686, 0.4793



82.7265, 0.3754, 0.5401



82.7265, 0.2728, 0.5224

Triad

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



82.7265, 0.3754, 0.5401



82.7265, 0.1317, 0.2002



82.7265, 0.4399, 0.2584

Complementary

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



82.7265, 0.3754, 0.5401



8.2894, 0.1628, 0.0671

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.



82.7265, 0.3198, 0.2043



82.7265, 0.3754, 0.5401



82.7265, 0.1573, 0.1703

Square

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



82.7265, 0.3754, 0.5401



82.7265, 0.1393, 0.2763



82.7265, 0.2189, 0.1735



82.7265, 0.5228, 0.3260

Rectangle

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



82.7265, 0.3754, 0.5401



82.7265, 0.2114, 0.4504



82.7265, 0.2189, 0.1735



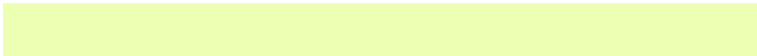
82.7265, 0.4008, 0.2383

Sweetspot

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



82.7272, 0.3754, 0.5401



92.6016, 0.3454, 0.4076



24.4585, 0.6140, 0.3506



19.6346, 0.3497, 0.4191



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.



82.7272, 0.3754, 0.5401



82.7193, 0.3754, 0.5402



72.7556, 0.3103, 0.5917



20.8513, 0.3231, 0.3528



43.2963, 0.3761, 0.5396



4.2667, 0.3812, 0.5355

Inverse Universe

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



8.2894, 0.1628, 0.0671



8.2786, 0.1627, 0.0670



17.7976, 0.2531, 0.1168



17.5947, 0.3017, 0.3047



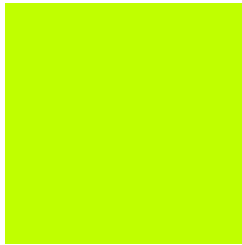
4.3839, 0.1640, 0.0677



0.4754, 0.1749, 0.0737

Previews

White Background



This preview shows how the Yxy color 82.7265, 0.3754, 0.5401 looks on a white background.

Color Contrast Check

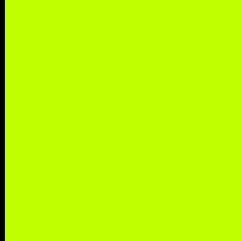
Large Text (above 18pt) WCAG AA × Fail

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 82.7265, 0.3754, 0.5401 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 82.7265, 0.3754, 0.5401

Background



This preview shows how black text looks on a background with the Yxy color 82.7265, 0.3754, 0.5401.



This preview shows how white text looks on a background with the Yxy color 82.7265, 0.3754, 0.5401.

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

82.7265, 0.3754, 0.5401

Protanopia

81.8832, 0.3909, 0.4262

Deuteranopia

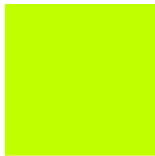
81.9308, 0.3517, 0.3614



Tritanopia

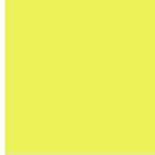
82.3873, 0.2887, 0.3103

Trichromacy



Original Color

82.7265, 0.3754, 0.5401



Protanomaly

81.3482, 0.3943, 0.4805



Deuteranomaly

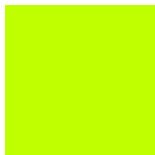
80.3952, 0.3773, 0.4467



Tritanomaly

80.5754, 0.3373, 0.4207

Monochromacy



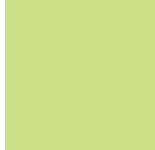
Original Color

82.7265, 0.3754, 0.5401



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

67.5338, 0.3567, 0.4366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7265, 0.3754, 0.5401 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(192, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 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(192, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 82.7265, 0.3754, 0.5401 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(192, 255, 0) }
```

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

```
.border{ border-color:rgb(192, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(192, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7265, 0.3754, 0.5401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 0) }
```

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

```
.background{ background-color: rgb(192,  
255, 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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