

Converting Colors

$Y_{xy}(82.1550, 0.3592, 0.5209)$

Have a look what the booklet for
Yxy(82.1550, 0.3592, 0.5209)
contains.

Yxy(82.1653, 0.3594, 0.5211)	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(82.1653, 0.3594, 0.5211)

Conversions

Conversions Part 1

Format	Color
Hex	B8FF47
RGB	184, 255, 71
RGB Percent	72%, 100%, 28%
CMY	0.2784, 0.0000, 0.7213
CMYK	0.28, 0.00, 0.72, 0.00
HSL	83°, 100%, 64%
HSV	83°, 72%, 100%
XYZ	56.6690, 82.1653, 18.8424
YIQ	212.7950, 16.7480, -72.2760

Conversions

Conversions Part 2

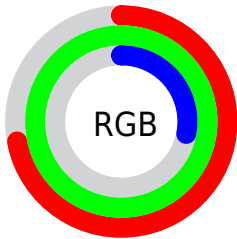
Format	Color
RYB	71, 255, 142
Decimal	12123975
CIELab	92.65, -47.48, 75.87
CIELCh	93, 89.504, 122.038
Yxy	82.1653, 0.3594, 0.5211
Android (android.graphics.Color)	4290314055 (0xFFB8FF47)
YUV	212.7950, -69.9049, -25.2532
Hunter-Lab	90.6451, -47.0352, 51.1270

Details

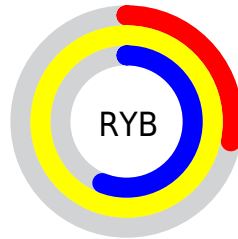
The Yxy color **82.1653, 0.3594, 0.5211** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **17.4880, 0.2166, 0.1204**, and the grayscale version is **66.8709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3648, 0.3773, 0.4520**, and **44.7481, 0.3558, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **80.7328, 0.3588, 0.5391**, and if you desaturate by 10%, it is **83.8254, 0.3575, 0.4985**.

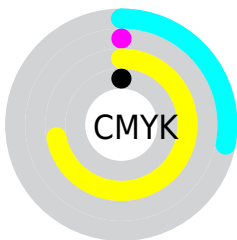
Distribution



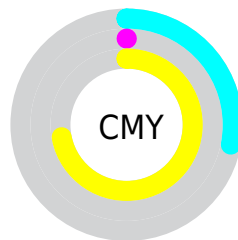
- Red (72%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (56%)



- Cyan (28%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1653, 0.3594, 0.5211 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 82.1653, 0.3594, 0.5211 by changing the saturation by 10% instead.


 82.1653, 0.3594,
0.5211


 82.1653, 0.3594,
0.5211


502.2004, 0.3460,
0.4320


 61.5018, 0.3599,
0.5401


 136.4058, 0.3568,
0.4910


 44.6303, 0.3591,
0.5626


 170.7516, 0.3551,
0.4790

 31.1663, 0.3561,
0.5891


 210.4269, 0.3535,
0.4685

 20.7255, 0.3487,
0.6200

 255.8161, 0.3519,
0.4594

 12.9235, 0.3374,
0.6626

 307.3037, 0.3503,
0.4513

 7.3759, 0.3055,
0.6945

365.2740, 0.3488,


 3.6983, 0.2578,


0.4442


0.7422

430.1115, 0.3474,
0.4378

 1.5063, 0.1024,
0.8976

 0.2931, 0.0000,
1.0000


 82.1653, 0.3594,
0.5211


 82.1653, 0.3594,
0.5211


 80.7328, 0.3588,
0.5391

 83.8254, 0.3575,
0.4985

 79.4991, 0.3558,
0.5518

 85.7213, 0.3533,
0.4725

 78.6476, 0.3522,
0.5586

 87.8709, 0.3473,
0.4444

 90.2875, 0.3400,
0.4156

92.9835, 0.3318,
0.3871

95.9701, 0.3232,
0.3598

99.2581, 0.3145,
0.3342

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



82.1653, 0.4463, 0.4793



82.1653, 0.3594, 0.5211



82.1653, 0.2657, 0.4867

Triad

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



82.1653, 0.3594, 0.5211



82.1653, 0.1479, 0.2063



82.1653, 0.4411, 0.2747

Complementary

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



82.1653, 0.3594, 0.5211



17.4880, 0.2166, 0.1204

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.



82.1653, 0.3362, 0.2215



82.1653, 0.3594, 0.5211



82.1653, 0.1769, 0.1824

Square

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



82.1653, 0.3594, 0.5211



82.1653, 0.1510, 0.2700



82.1653, 0.2401, 0.1890



82.1653, 0.5065, 0.3396

Rectangle

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



82.1653, 0.3594, 0.5211



82.1653, 0.2116, 0.4179



82.1653, 0.2401, 0.1890



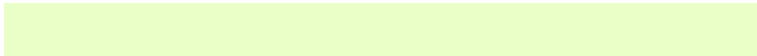
82.1653, 0.4080, 0.2552

Sweetspot

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



82.1682, 0.3594, 0.5211



93.0217, 0.3317, 0.3868



40.9335, 0.4996, 0.3934



19.7477, 0.3340, 0.3944



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.



82.1682, 0.3594, 0.5211



80.1088, 0.3577, 0.5459



74.2777, 0.3092, 0.5553



20.7203, 0.3209, 0.3529



41.1838, 0.3532, 0.5577



4.0729, 0.3606, 0.5518

Inverse Universe

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



17.4880, 0.2166, 0.1204



12.2211, 0.1953, 0.0912



29.1484, 0.2995, 0.1614



17.7194, 0.3039, 0.3049



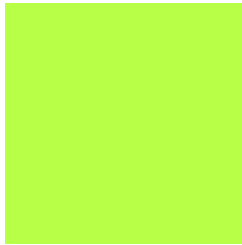
5.2206, 0.1820, 0.0776



0.5690, 0.1945, 0.0845

Previews

White Background



This preview shows how the Yxy color 82.1653, 0.3594, 0.5211 looks on a white background.

Color Contrast Check

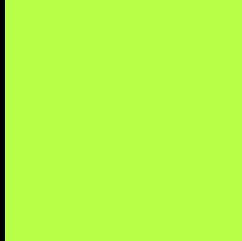
Large Text (above 18pt) WCAG AA × Fail

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 82.1653, 0.3594, 0.5211 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 82.1653, 0.3594, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 82.1653, 0.3594, 0.5211.

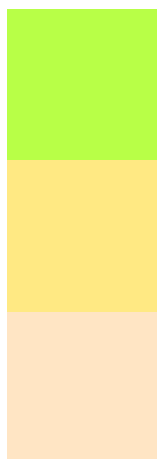


This preview shows how white text looks on a background with the Yxy color 82.1653, 0.3594, 0.5211.

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

82.1653, 0.3594, 0.5211

Protanopia

81.1765, 0.3943, 0.4298

Deuteranopia

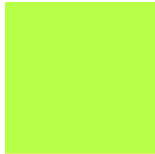
81.2841, 0.3533, 0.3625



Tritanopia

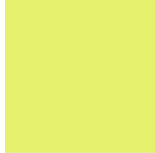
81.9244, 0.2845, 0.3111

Trichromacy



Original Color

82.1653, 0.3594, 0.5211



Protanomaly

80.6727, 0.3829, 0.4643



Deuteranomaly

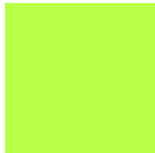
80.0415, 0.3611, 0.4221



Tritanomaly

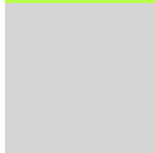
80.6116, 0.3174, 0.3922

Monochromacy



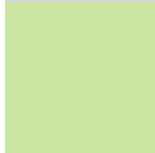
Original Color

82.1653, 0.3594, 0.5211



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.6166, 0.3375, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1653, 0.3594, 0.5211 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(184, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 71)  
}
```

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(184, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 71) }
```

Border

The CSS property to change the border of an element to Yxy 82.1653, 0.3594, 0.5211 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(184, 255, 71) }
```

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

```
.border{ border-color:rgb(184, 255, 71) }
```

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

Here you see how a box with a 4 pixel rgb(184, 255, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1653, 0.3594, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 71) }
```

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

```
.background{ background-color: rgb(184,  
255, 71) }
```

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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