

Converting Colors

$Yxy(80.5297, 0.3507, 0.5008)$

Have a look what the booklet for
Yxy(80.5297, 0.3507, 0.5008)
contains.

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Color

Yxy(80.4290, 0.3504, 0.5009)

Conversions

Conversions Part 1

Format	Color
Hex	B6FC61
RGB	182, 252, 97
RGB Percent	71%, 99%, 38%
CMY	0.2862, 0.0118, 0.6195
CMYK	0.28, 0.00, 0.61, 0.01
HSL	87°, 96%, 68%
HSV	87°, 61%, 99%
XYZ	56.2634, 80.4290, 23.8766
YIQ	213.4000, 8.0350, -63.0450

Conversions

Conversions Part 2

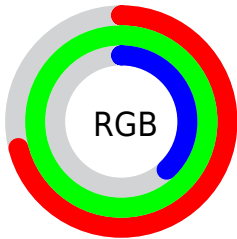
Format	Color
RYB	97, 252, 167
Decimal	11992161
CIELab	91.88, -45.16, 65.39
CIELCh	92, 79.471, 124.633
Yxy	80.4290, 0.3504, 0.5009
Android (android.graphics.Color)	4290182241 (0xFFB6FC61)
YUV	213.4000, -57.3852, -27.5378
Hunter-Lab	89.6822, -44.9595, 46.9924

Details

The Yxy color **80.4290, 0.3504, 0.5009** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **23.8033, 0.2418, 0.1523**, and the grayscale version is **67.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5207, 0.3631, 0.4319**, and **43.4489, 0.3509, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **78.7044, 0.3515, 0.5250**, and if you desaturate by 10%, it is **82.4225, 0.3472, 0.4735**.

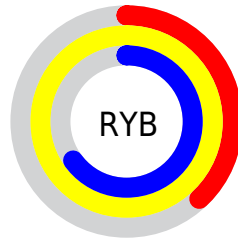
Distribution



Red (71%)

Green (99%)

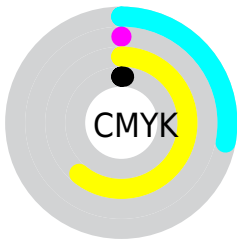
Blue (38%)



Red (38%)

Yellow (99%)

Blue (65%)

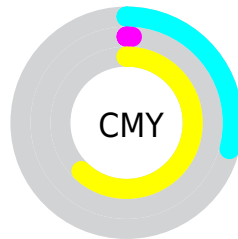


Cyan (28%)

Magenta (0%)

Yellow (61%)

Black (1%)



Cyan (29%)


Magenta (1%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4290, 0.3504, 0.5009 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 80.4290, 0.3504, 0.5009 by changing the saturation by 10% instead.

 80.4290, 0.3504,
0.5009


 80.4290, 0.3504,
0.5009


496.3774, 0.3389,
0.4197


 60.0714, 0.3512,
0.5190


 133.9687, 0.3478,
0.4729


 43.4762, 0.3511,
0.5407


 167.9197, 0.3464,
0.4620

 30.2589, 0.3494,
0.5672


 207.1705, 0.3450,
0.4525

 20.0352, 0.3445,
0.5994

 252.1057, 0.3436,
0.4442

 12.4206, 0.3346,
0.6409

303.1096, 0.3423,
0.4370

 7.0308, 0.3118,
0.6882


360.5666, 0.3411,


 3.4814, 0.2646,

0.4306

0.7354


424.8610, 0.3399,
0.4249


 1.3879, 0.0959,
0.9041


 0.2078, 0.0000,
1.0000


 80.4290, 0.3504,
0.5009


 80.4290, 0.3504,
0.5009


 78.7044, 0.3515,
0.5250

 82.4225, 0.3472,
0.4735


 77.2209, 0.3502,
0.5445


 84.6898, 0.3422,
0.4443

 75.9615, 0.3466,
0.5585


 87.2482, 0.3360,
0.4147

 75.0412, 0.3422,
0.5665

 90.1105, 0.3289,
0.3857

 93.2888, 0.3214,
0.3582

 96.7941, 0.3138,
0.3326

 98.1019, 0.3128,
0.3262

Harmonies

Analogous

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



80.4290, 0.4305, 0.4722



80.4290, 0.3504, 0.5009



80.4290, 0.2650, 0.4612

Triad

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



80.4290, 0.3504, 0.5009



80.4290, 0.1625, 0.2148



80.4290, 0.4349, 0.2854

Complementary

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



80.4290, 0.3504, 0.5009



23.8033, 0.2418, 0.1523

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.



80.4290, 0.3428, 0.2345



80.4290, 0.3504, 0.5009



80.4290, 0.1924, 0.1943

Square

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



80.4290, 0.3504, 0.5009



80.4290, 0.1633, 0.2707



80.4290, 0.2539, 0.2023



80.4290, 0.4892, 0.3468

Rectangle

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



80.4290, 0.3504, 0.5009



80.4290, 0.2167, 0.3989



80.4290, 0.2539, 0.2023



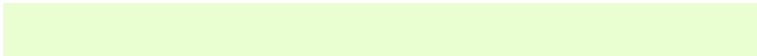
80.4290, 0.4064, 0.2668

Sweetspot

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



80.4325, 0.3504, 0.5009



93.6665, 0.3263, 0.3759



49.1136, 0.4558, 0.3992



19.8511, 0.3285, 0.3841



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.



80.4325, 0.3504, 0.5009



80.4380, 0.3514, 0.5305



73.4761, 0.3066, 0.5267



19.7783, 0.3199, 0.3529



39.1780, 0.3433, 0.5656



3.6915, 0.3519, 0.5588

Inverse Universe

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



23.8033, 0.2418, 0.1523



17.7812, 0.2237, 0.1210



34.8635, 0.3121, 0.1837



17.0268, 0.3050, 0.3050



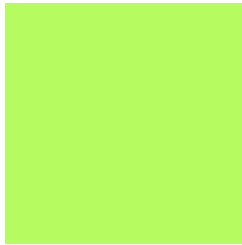
5.6029, 0.1931, 0.0838



0.5809, 0.2063, 0.0910

Previews

White Background



This preview shows how the Yxy color 80.4290, 0.3504, 0.5009 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 80.4290, 0.3504, 0.5009 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 80.4290, 0.3504, 0.5009

Background



This preview shows how black text looks on a background with the Yxy color 80.4290, 0.3504, 0.5009.



This preview shows how white text looks on a background with the Yxy color 80.4290, 0.3504, 0.5009.

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

80.4290, 0.3504, 0.5009

Protanopia

79.6041, 0.4054, 0.4433

Deuteranopia

79.4143, 0.3574, 0.3647



Tritanopia

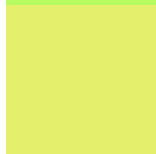
79.9074, 0.2808, 0.3088

Trichromacy



Original Color

80.4290, 0.3504, 0.5009



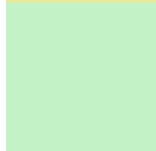
Protanomaly

79.2885, 0.3841, 0.4649



Deuteranomaly

78.3450, 0.3576, 0.4133



Tritanomaly

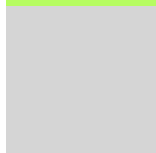
79.1836, 0.3085, 0.3790

Monochromacy



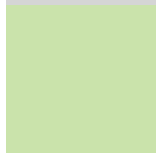
Original Color

80.4290, 0.3504, 0.5009



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.4350, 0.3313, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4290, 0.3504, 0.5009 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(182, 252, 97)` looks like.

```
.text, #text, p{  
    color:rgb(182, 252, 97)  
}
```

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(182, 252, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 252, 97) }
```

Border

The CSS property to change the border of an element to Yxy 80.4290, 0.3504, 0.5009 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(182, 252, 97) }
```

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

```
.border{ border-color:rgb(182, 252, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 252, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 252, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 252, 97);  
box-shadow:4px 4px 4px 4px rgb(182, 252,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4290, 0.3504, 0.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 252, 97) }
```

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

```
.background{ background-color: rgb(182,  
252, 97) }
```

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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