

Converting Colors

$Yxy(83.4050, 0.3527, 0.4956)$

Have a look what the booklet for
Yxy(83.4050, 0.3527, 0.4956)
contains.

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Color

Yxy(83.4265, 0.3528, 0.4955)

Conversions

Conversions Part 1

Format	Color
Hex	BEFF66
RGB	190, 255, 102
RGB Percent	75%, 100%, 40%
CMY	0.2548, 0.0000, 0.6000
CMYK	0.25, 0.00, 0.60, 0.00
HSL	85°, 100%, 70%
HSV	85°, 60%, 100%
XYZ	59.4003, 83.4265, 25.5415
YIQ	218.1230, 10.3730, -61.3630

Conversions

Conversions Part 2

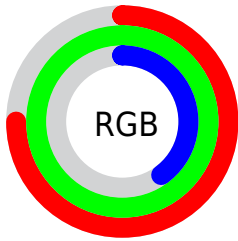
Format	Color
RYB	102, 255, 167
Decimal	12517222
CIELab	93.20, -43.21, 64.93
CIELCh	93, 77.994, 123.642
Yxy	83.4265, 0.3528, 0.4955
Android (android.graphics.Color)	4290707302 (0xFFBEFF66)
YUV	218.1230, -57.2486, -24.6639
Hunter-Lab	91.3381, -43.7569, 47.3570

Details

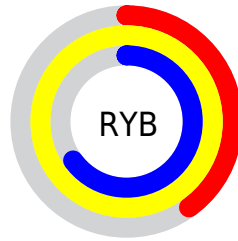
The Yxy color **83.4265, 0.3528, 0.4955** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.9339, 0.2405, 0.1548**, and the grayscale version is **70.6045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1284, 0.3659, 0.4252**, and **45.5566, 0.3548, 0.5331** is the 20% darker color. If you saturate the color by 10%, you get **81.6565, 0.3546, 0.5197**, and if you desaturate by 10%, it is **85.4630, 0.3488, 0.4682**.

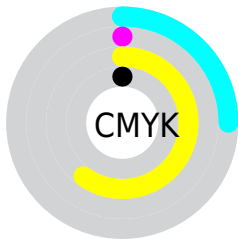
Distribution



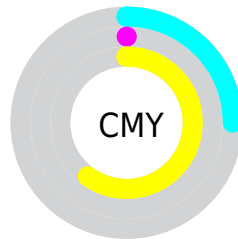
- Red (75%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (65%)



- Cyan (25%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4265, 0.3528, 0.4955 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 83.4265, 0.3528, 0.4955 by changing the saturation by 10% instead.


 83.4265, 0.3528,
0.4955


 83.4265, 0.3528,
0.4955


506.4068, 0.3399,
0.4176

 62.5421, 0.3540,
0.5127


 138.1727, 0.3497,
0.4688

 45.4708, 0.3546,
0.5334


 172.8031, 0.3481,
0.4583

 31.8284, 0.3537,
0.5585

 212.7844, 0.3465,
0.4492

 21.2305, 0.3501,
0.5891

 258.5009, 0.3450,
0.4412

 13.2926, 0.3416,
0.6269

310.3370, 0.3436,
0.4342

 7.6303, 0.3242,
0.6758


368.6771, 0.3423,


 3.8593, 0.2815,

0.4280

0.7185

433.9056, 0.3411,
0.4225


 1.5952, 0.1732,
0.8268


 0.3544, 0.0000,
1.0000

 83.4265, 0.3528,
0.4955


 83.4265, 0.3528,
0.4955


 81.6565, 0.3546,
0.5197


 85.4630, 0.3488,
0.4682

 80.1249, 0.3540,
0.5394


 87.7700, 0.3432,
0.4393


 78.8155, 0.3511,
0.5539

 90.3649, 0.3363,
0.4100

 77.6970, 0.3462,
0.5633

 93.2602, 0.3287,
0.3814

 77.6970, 0.3462,
0.5633

 96.4678, 0.3207,
0.3542

99.9986, 0.3127,
0.3290

99.9989, 0.3127,
0.3290

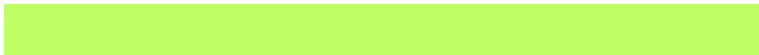
Harmonies

Analogous

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



83.4265, 0.4302, 0.4672



83.4265, 0.3528, 0.4955



83.4265, 0.2694, 0.4590

Triad

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



83.4265, 0.3528, 0.4955



83.4265, 0.1656, 0.2192



83.4265, 0.4286, 0.2850

Complementary

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



83.4265, 0.3528, 0.4955



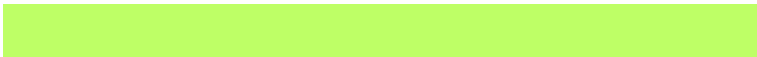
24.9339, 0.2405, 0.1548

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.



83.4265, 0.3390, 0.2355



83.4265, 0.3528, 0.4955



83.4265, 0.1940, 0.1978

Square

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



83.4265, 0.3528, 0.4955



83.4265, 0.1676, 0.2753



83.4265, 0.2532, 0.2047



83.4265, 0.4832, 0.3450

Rectangle

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



83.4265, 0.3528, 0.4955



83.4265, 0.2216, 0.4000



83.4265, 0.2532, 0.2047



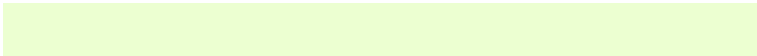
83.4265, 0.4007, 0.2669

Sweetspot

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



83.4302, 0.3528, 0.4955



93.8778, 0.3271, 0.3758



49.4004, 0.4552, 0.3929



19.9027, 0.3294, 0.3839



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.



83.4302, 0.3528, 0.4955



81.3326, 0.3547, 0.5240



76.1061, 0.3092, 0.5206



20.6842, 0.3203, 0.3529



40.6888, 0.3473, 0.5625



4.0261, 0.3552, 0.5562

Inverse Universe

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



24.9339, 0.2405, 0.1548



18.2004, 0.2225, 0.1235



35.6439, 0.3075, 0.1842



17.7547, 0.3045, 0.3049



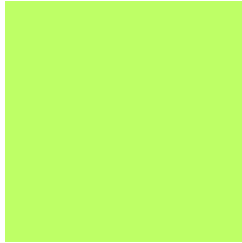
5.5309, 0.1883, 0.0811



0.6013, 0.2009, 0.0880

Previews

White Background



This preview shows how the Yxy color 83.4265, 0.3528, 0.4955 looks on a white background.

Color Contrast Check

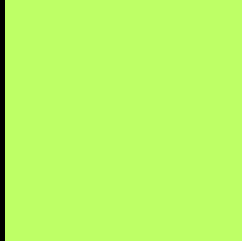
Large Text (above 18pt) WCAG AA × Fail

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 83.4265, 0.3528, 0.4955 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

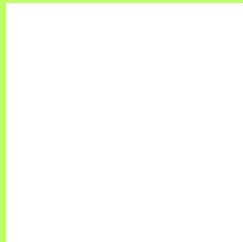
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4265, 0.3528, 0.4955

Background



This preview shows how black text looks on a background with the Yxy color 83.4265, 0.3528, 0.4955.

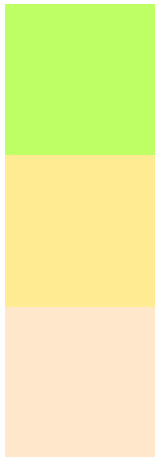


This preview shows how white text looks on a background with the Yxy color 83.4265, 0.3528, 0.4955.

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

83.4265, 0.3528, 0.4955

Protanopia

82.7520, 0.3844, 0.4178

Deuteranopia

82.7236, 0.3481, 0.3573



Tritanopia

82.6652, 0.2875, 0.3113

Trichromacy



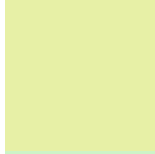
Original Color

83.4265, 0.3528, 0.4955



Protanomaly

82.1049, 0.3732, 0.4458



Deuteranomaly

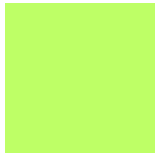
82.0623, 0.3528, 0.4078



Tritanomaly

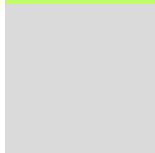
81.8040, 0.3142, 0.3789

Monochromacy



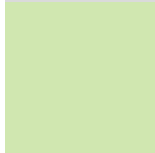
Original Color

83.4265, 0.3528, 0.4955



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.6963, 0.3318, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4265, 0.3528, 0.4955 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(190, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 102)  
}
```

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(190, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 83.4265, 0.3528, 0.4955 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(190, 255, 102) }
```

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

```
.border{ border-color:rgb(190, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4265, 0.3528, 0.4955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 102) }
```

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

```
.background{ background-color: rgb(190,  
255, 102) }
```

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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