

Converting Colors

$Yxy(84.6256, 0.3622, 0.4973)$

Have a look what the booklet for
Yxy(84.6256, 0.3622, 0.4973)
contains.

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Color

Yxy(84.6256, 0.3622, 0.4973)

Conversions

Conversions Part 1

Format	Color
Hex	C8FF5F
RGB	200, 255, 95
RGB Percent	78%, 100%, 37%
CMY	0.2159, 0.0000, 0.6275
CMYK	0.22, 0.00, 0.63, 0.00
HSL	81°, 100%, 69%
HSV	81°, 63%, 100%
XYZ	61.6356, 84.6256, 23.9089
YIQ	220.3150, 18.5800, -61.4200

Conversions

Conversions Part 2

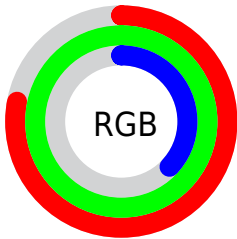
Format	Color
RYB	95, 255, 150
Decimal	13172575
CIELab	93.72, -40.16, 68.52
CIELCh	94, 79.416, 120.375
Yxy	84.6256, 0.3622, 0.4973
Android (android.graphics.Color)	4291362655 (0xFFC8FF5F)
YUV	220.3150, -61.7803, -17.8163
Hunter-Lab	91.9922, -41.3896, 48.9850

Details

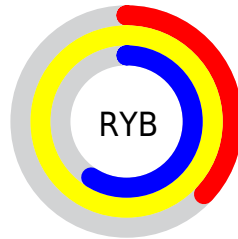
The Yxy color **84.6256, 0.3622, 0.4973** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **21.8902, 0.2261, 0.1425**, and the grayscale version is **72.2210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **46.2488, 0.3653, 0.5342** is the 20% darker color. If you saturate the color by 10%, you get **83.0559, 0.3647, 0.5188**, and if you desaturate by 10%, it is **86.4036, 0.3574, 0.4723**.

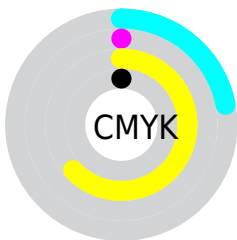
Distribution



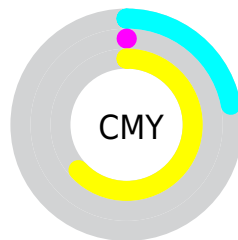
- Red (78%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (59%)



- Cyan (22%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6256, 0.3622, 0.4973 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 84.6256, 0.3622, 0.4973 by changing the saturation by 10% instead.


 84.6256, 0.3622,
0.4973


 84.6256, 0.3622,
0.4973


510.3884, 0.3456,
0.4196


 63.5321, 0.3641,
0.5141


 139.8500, 0.3579,
0.4709

 46.2718, 0.3654,
0.5341


 174.7496, 0.3558,
0.4605

 32.4603, 0.3653,
0.5580


 215.0200, 0.3538,
0.4514

 21.7134, 0.3626,
0.5866

 261.0457, 0.3519,
0.4434

 13.6464, 0.3557,
0.6224

313.2110, 0.3502,
0.4364

 7.8752, 0.3378,
0.6622

371.9002, 0.3485,

 4.0152, 0.2989,

0.4302

0.7011

437.4979, 0.3470,
0.4246

■ 1.6821, 0.2160,
0.7840

■ 0.4120, 0.0000,
1.0000

■ 84.6256, 0.3622,
0.4973

■ 84.6256, 0.3622,
0.4973

■ 83.0559, 0.3647,
0.5188

■ 86.4036, 0.3574,
0.4723

■ 81.6969, 0.3646,
0.5356

■ 88.4234, 0.3508,
0.4450

■ 80.5225, 0.3620,
0.5474

■ 90.6918, 0.3428,
0.4167

■ 79.7657, 0.3589,
0.5532

■ 93.2205, 0.3339,
0.3885

■ 96.0206, 0.3246,
0.3614

■ 99.1023, 0.3153,
0.3357

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.



84.6256, 0.4386, 0.4630



84.6256, 0.3622, 0.4973



84.6256, 0.2774, 0.4686

Triad

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



84.6256, 0.3622, 0.4973



84.6256, 0.1628, 0.2221



84.6256, 0.4213, 0.2782

Complementary

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



84.6256, 0.3622, 0.4973



21.8902, 0.2261, 0.1425

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.



84.6256, 0.3290, 0.2300



84.6256, 0.3622, 0.4973



84.6256, 0.1881, 0.1972

Square

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



84.6256, 0.3622, 0.4973



84.6256, 0.1682, 0.2830



84.6256, 0.2444, 0.2014



84.6256, 0.4821, 0.3380

Rectangle

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



84.6256, 0.3622, 0.4973



84.6256, 0.2275, 0.4119



84.6256, 0.2444, 0.2014



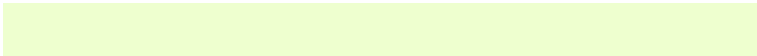
84.6256, 0.3920, 0.2604

Sweetspot

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



84.6192, 0.3622, 0.4973



94.2378, 0.3305, 0.3782



43.3686, 0.4746, 0.3815



20.0039, 0.3331, 0.3861



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.



84.6192, 0.3622, 0.4973



82.7328, 0.3649, 0.5230



76.4588, 0.3149, 0.5257



20.7596, 0.3216, 0.3529



41.7653, 0.3599, 0.5524



4.1271, 0.3667, 0.5470

Inverse Universe

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



21.8902, 0.2261, 0.1425



15.5684, 0.2062, 0.1107



31.9510, 0.2946, 0.1735



17.6815, 0.3033, 0.3048



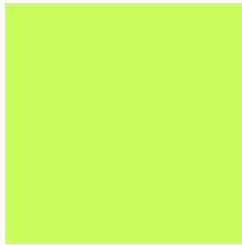
4.9236, 0.1758, 0.0742



0.5371, 0.1880, 0.0809

Previews

White Background



This preview shows how the Yxy color 84.6256, 0.3622, 0.4973 looks on a white background.

Color Contrast Check

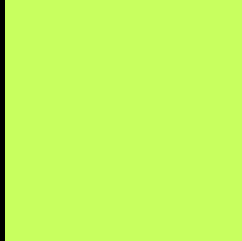
Large Text (above 18pt) WCAG AA × Fail

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 84.6256, 0.3622, 0.4973 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

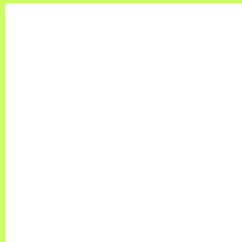
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6256, 0.3622, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 84.6256, 0.3622, 0.4973.

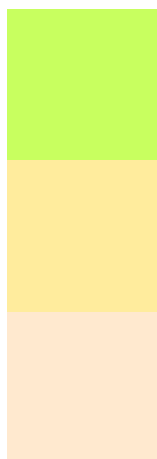


This preview shows how white text looks on a background with the Yxy color 84.6256, 0.3622, 0.4973.

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

84.6256, 0.3622, 0.4973

Protanopia

83.6852, 0.3772, 0.4083

Deuteranopia

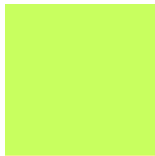
84.0428, 0.3450, 0.3552



Tritanopia

83.8987, 0.2924, 0.3115

Trichromacy



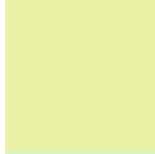
Original Color

84.6256, 0.3622, 0.4973



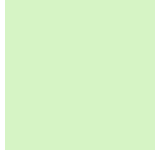
Protanomaly

83.4846, 0.3735, 0.4416



Deuteranomaly

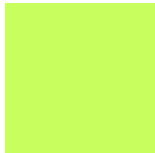
83.3259, 0.3554, 0.4079



Tritanomaly

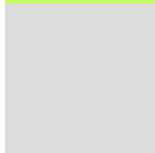
83.0287, 0.3213, 0.3803

Monochromacy



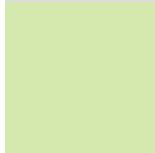
Original Color

84.6256, 0.3622, 0.4973



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.5191, 0.3357, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6256, 0.3622, 0.4973 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(200, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 95)  
}
```

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(200, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 95) }
```

Border

The CSS property to change the border of an element to Yxy 84.6256, 0.3622, 0.4973 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(200, 255, 95) }
```

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

```
.border{ border-color:rgb(200, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6256, 0.3622, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 95) }
```

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

```
.background{ background-color: rgb(200,  
255, 95) }
```

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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