

Converting Colors

Yxy(85.5842, 0.3763, 0.5088)

Have a look what the booklet for
Yxy(85.5842, 0.3763, 0.5088)
contains.

Yxy(85.5432, 0.3762, 0.5090)	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(85.5432, 0.3762, 0.5090)

Conversions

Conversions Part 1

Format	Color
Hex	D1FF48
RGB	209, 255, 72
RGB Percent	82%, 100%, 28%
CMY	0.1803, 0.0000, 0.7180
CMYK	0.18, 0.00, 0.72, 0.00
HSL	75°, 100%, 64%
HSV	75°, 72%, 100%
XYZ	63.2247, 85.5432, 19.2934
YIQ	220.3840, 31.3270, -66.6650

Conversions

Conversions Part 2

Format	Color
RYB	72, 255, 118
Decimal	13762376
CIELab	94.12, -38.17, 77.52
CIELCh	94, 86.411, 116.216
Yxy	85.5432, 0.3762, 0.5090
Android (android.graphics.Color)	4291952456 (0xFFD1FF48)
YUV	220.3840, -73.1533, -9.9838
Hunter-Lab	92.4896, -39.8365, 52.3747

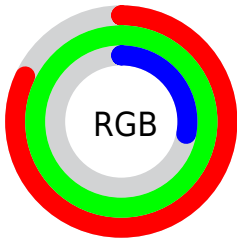
Details

The Yxy color **85.5432, 0.3762, 0.5090** is a light color, and the websafe version is hex **CCFF33**.

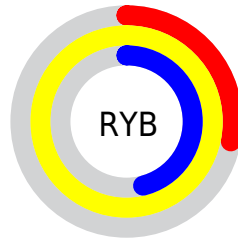
The color can be described as light washed yellow. A complement of this color would be **15.6873, 0.1992, 0.1123**, and the grayscale version is **72.3529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **46.8722, 0.3768, 0.5390** is the 20% darker color. If you saturate the color by 10%, you get **84.3622, 0.3779, 0.5245**, and if you desaturate by 10%, it is **86.9012, 0.3719, 0.4891**.

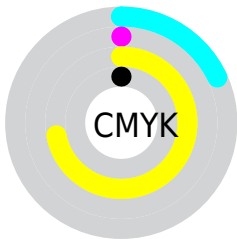
Distribution



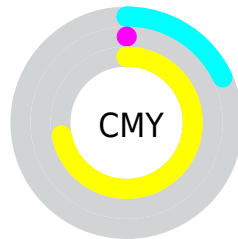
- Red (82%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (46%)



- Cyan (18%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5432, 0.3762, 0.5090 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 85.5432, 0.3762, 0.5090 by changing the saturation by 10% instead.

 85.5432, 0.3762,
0.5090

 85.5432, 0.3762,
0.5090


513.4238, 0.3550,
0.4279


 64.2903, 0.3785,
0.5258

 141.1319, 0.3708,
0.4820


 46.8858, 0.3800,
0.5453


 176.2364, 0.3682,
0.4712

 32.9454, 0.3798,
0.5679


 216.7270, 0.3656,
0.4616

 22.0846, 0.3764,
0.5938

 262.9880, 0.3632,
0.4532

 13.9191, 0.3708,
0.6292

 315.4037, 0.3609,
0.4458

 8.0644, 0.3466,
0.6534

374.3587, 0.3588,

 4.1362, 0.3102,

0.4392

0.6898

440.2372, 0.3569,
0.4332

■ 1.7500, 0.2403,
0.7597

■ 0.4557, 0.0000,
1.0000

■ 85.5432, 0.3762,
0.5090

■ 85.5432, 0.3762,
0.5090

■ 84.3622, 0.3779,
0.5245

■ 86.9012, 0.3719,
0.4891


■ 83.3370, 0.3770,
0.5351

■ 88.4495, 0.3653,
0.4656


■ 82.5902, 0.3747,
0.5407

■ 90.2024, 0.3568,
0.4397

■ 92.1722, 0.3470,
0.4126

 94.3699, 0.3364,
0.3853

 96.8060, 0.3255,
0.3587

 99.4898, 0.3146,
0.3334

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.



85.5432, 0.4556, 0.4625



85.5432, 0.3762, 0.5090



85.5432, 0.2855, 0.4915

Triad

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



85.5432, 0.3762, 0.5090



85.5432, 0.1520, 0.2202



85.5432, 0.4173, 0.2661

Complementary

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



85.5432, 0.3762, 0.5090



15.6873, 0.1992, 0.1123

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.



85.5432, 0.3158, 0.2177



85.5432, 0.3762, 0.5090



85.5432, 0.1741, 0.1899

Square

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



85.5432, 0.3762, 0.5090



85.5432, 0.1617, 0.2904



85.5432, 0.2288, 0.1908



85.5432, 0.4904, 0.3277

Rectangle

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



85.5432, 0.3762, 0.5090



85.5432, 0.2303, 0.4344



85.5432, 0.2288, 0.1908



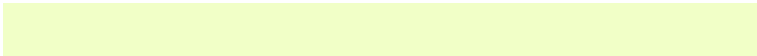
85.5432, 0.3842, 0.2480

Sweetspot

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



85.5440, 0.3762, 0.5090



94.3237, 0.3367, 0.3858



34.6088, 0.5214, 0.3694



20.0569, 0.3396, 0.3932



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.



85.5440, 0.3762, 0.5090



83.9138, 0.3778, 0.5295



75.8160, 0.3201, 0.5471



20.8476, 0.3230, 0.3528



43.2295, 0.3754, 0.5401



4.2607, 0.3806, 0.5360

Inverse Universe

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



15.6873, 0.1992, 0.1123



10.6767, 0.1779, 0.0827



25.4315, 0.2761, 0.1503



17.5981, 0.3018, 0.3047



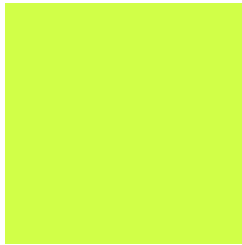
4.4019, 0.1644, 0.0680



0.4776, 0.1754, 0.0740

Previews

White Background



This preview shows how the Yxy color 85.5432, 0.3762, 0.5090 looks on a white background.

Color Contrast Check

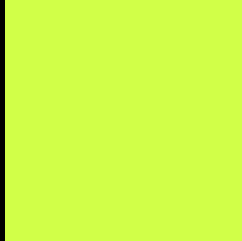
Large Text (above 18pt) WCAG AA × Fail

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 85.5432, 0.3762, 0.5090 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 85.5432, 0.3762, 0.5090

Background



This preview shows how black text looks on a background with the Yxy color 85.5432, 0.3762, 0.5090.

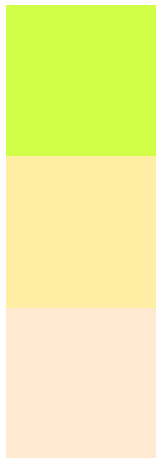


This preview shows how white text looks on a background with the Yxy color 85.5432, 0.3762, 0.5090.

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

85.5432, 0.3762, 0.5090

Protanopia

85.0894, 0.3721, 0.4032

Deuteranopia

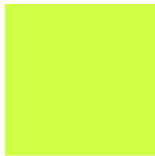
84.7091, 0.3435, 0.3541



Tritanopia

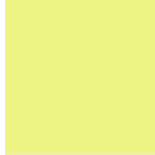
85.1921, 0.2974, 0.3118

Trichromacy



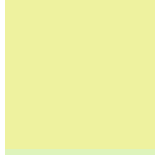
Original Color

85.5432, 0.3762, 0.5090



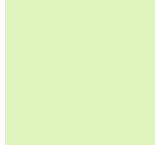
Protanomaly

84.5172, 0.3769, 0.4443



Deuteranomaly

84.1846, 0.3616, 0.4154



Tritanomaly

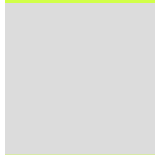
83.8618, 0.3322, 0.3893

Monochromacy



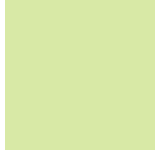
Original Color

85.5432, 0.3762, 0.5090



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.6299, 0.3436, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5432, 0.3762, 0.5090 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(209, 255, 72)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 72)  
}
```

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(209, 255, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 72) }
```

Border

The CSS property to change the border of an element to Yxy 85.5432, 0.3762, 0.5090 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(209, 255, 72) }
```

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

```
.border{ border-color:rgb(209, 255, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 72);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5432, 0.3762, 0.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 72) }
```

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

```
.background{ background-color: rgb(209,  
255, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor