

Converting Colors

$Y_{xy}(82.4996, 0.3932, 0.5260)$

Have a look what the booklet for
Yxy(82.4996, 0.3932, 0.5260)
contains.

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Color

Yxy(82.5173, 0.3930, 0.5262)

Conversions

Conversions Part 1

Format	Color
Hex	D5FA00
RGB	213, 250, 0
RGB Percent	84%, 98%, 0%
CMY	0.1646, 0.0196, 1.0000
CMYK	0.15, 0.00, 1.00, 0.02
HSL	69°, 100%, 49%
HSV	69°, 100%, 98%
XYZ	61.6292, 82.5173, 12.6708
YIQ	210.4370, 58.1980, -85.5940

Conversions

Conversions Part 2

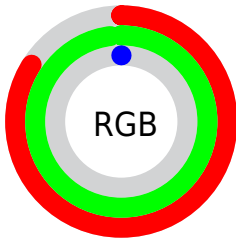
Format	Color
RYB	0, 250, 37
Decimal	14023168
CIELab	92.80, -36.21, 89.95
CIELCh	93, 96.963, 111.929
Yxy	82.5173, 0.3930, 0.5262
Android (android.graphics.Color)	4292213248 (0xFFD5FA00)
YUV	210.4370, -103.7454, 2.2478
Hunter-Lab	90.8390, -37.8660, 55.3172

Details

The Yxy color **82.5173, 0.3930, 0.5262** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.2953, 0.1550, 0.0628**, and the grayscale version is **65.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **44.9122, 0.3830, 0.5341** is the 20% darker color. If you saturate the color by 10%, you get **82.5216, 0.3930, 0.5262**, and if you desaturate by 10%, it is **83.1512, 0.3938, 0.5207**.

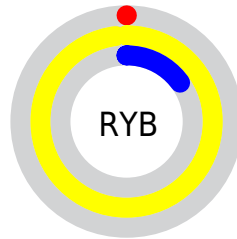
Distribution



Red (84%)

Green (98%)

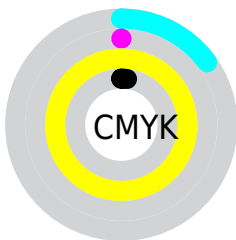
Blue (0%)



Red (0%)

Yellow (98%)

Blue (15%)

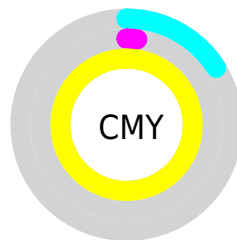


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (16%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5173, 0.3930, 0.5262 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 82.5173, 0.3930, 0.5262 by changing the saturation by 10% instead.

 82.5173, 0.3930,
0.5262

 82.5173, 0.3930,
0.5262

503.3764, 0.3675,
0.4402


 61.7920, 0.3951,
0.5427

 136.8992, 0.3871,
0.4986

 44.8647, 0.3959,
0.5612


 171.3246, 0.3839,
0.4871


 31.3508, 0.3941,
0.5815


 211.0855, 0.3808,
0.4770

 20.8662, 0.3905,
0.6073

 256.5663, 0.3778,
0.4679

 13.0262, 0.3744,
0.6256

 308.1514, 0.3750,
0.4598

 7.4466, 0.3503,
0.6497


 366.2252, 0.3723,


 3.7429, 0.3137,


0.4526


0.6863


431.1721, 0.3699,
0.4461


 1.5308, 0.2323,
0.7677


 0.3103, 0.0000,
1.0000


 82.5173, 0.3930,
0.5262

 82.5173, 0.3930,
0.5262


 82.5216, 0.3930,
0.5262

 83.1512, 0.3938,
0.5207


 83.8835, 0.3925,
0.5112

 84.7461, 0.3885,
0.4970


 85.7560, 0.3819,
0.4786

 86.9273, 0.3730,
0.4566

 88.2724, 0.3623,
0.4321

 89.8024, 0.3505,
0.4062

 91.5274, 0.3379,
0.3798

 93.4568, 0.3252,
0.3539

Harmonies

Analogous

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



82.5173, 0.4789, 0.4625



82.5173, 0.3930, 0.5262



82.5173, 0.2933, 0.5257

Triad

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



82.5173, 0.3930, 0.5262



82.5173, 0.1354, 0.2144



82.5173, 0.4149, 0.2497

Complementary

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



82.5173, 0.3930, 0.5262



7.2953, 0.1550, 0.0628

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.



82.5173, 0.2994, 0.2003



82.5173, 0.3930, 0.5262



82.5173, 0.1545, 0.1776

Square

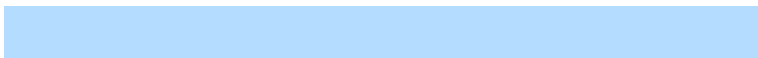
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5173, 0.3930, 0.5262



82.5173, 0.1498, 0.2984



82.5173, 0.2079, 0.1750



82.5173, 0.5058, 0.3144

Rectangle

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



82.5173, 0.3930, 0.5262



82.5173, 0.2306, 0.4678



82.5173, 0.2079, 0.1750



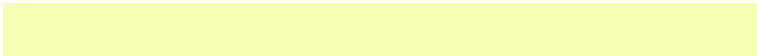
82.5173, 0.3761, 0.2310

Sweetspot

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



82.5216, 0.3930, 0.5262



93.9310, 0.3505, 0.4062



21.4307, 0.6302, 0.3378



19.9554, 0.3556, 0.4173



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.



82.5216, 0.3930, 0.5262



86.3143, 0.3930, 0.5262



70.6308, 0.3193, 0.5847



20.0530, 0.3246, 0.3526



43.8211, 0.3934, 0.5258



4.0928, 0.3967, 0.5232

Inverse Universe

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



7.2953, 0.1550, 0.0628



7.6268, 0.1550, 0.0627



14.2054, 0.2291, 0.1036



16.7662, 0.3002, 0.3046



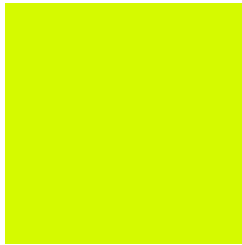
3.9068, 0.1559, 0.0633



0.3975, 0.1649, 0.0682

Previews

White Background



This preview shows how the Yxy color 82.5173, 0.3930, 0.5262 looks on a white background.

Color Contrast Check

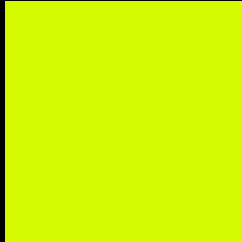
Large Text (above 18pt) WCAG AA × Fail

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 82.5173, 0.3930, 0.5262 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 82.5173, 0.3930, 0.5262

Background



This preview shows how black text looks on a background with the Yxy color 82.5173, 0.3930, 0.5262.



This preview shows how white text looks on a background with the Yxy color 82.5173, 0.3930, 0.5262.

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

82.5173, 0.3930, 0.5262

Protanopia

81.9118, 0.3903, 0.4253

Deuteranopia

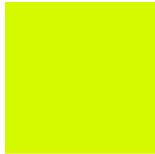
81.9308, 0.3517, 0.3614



Tritanopia

82.0019, 0.3017, 0.3097

Trichromacy



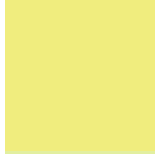
Original Color

82.5173, 0.3930, 0.5262



Protanomaly

81.5336, 0.4013, 0.4755



Deuteranomaly

80.6000, 0.3841, 0.4424



Tritanomaly

80.4398, 0.3531, 0.4142

Monochromacy



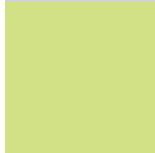
Original Color

82.5173, 0.3930, 0.5262



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

69.4205, 0.3622, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5173, 0.3930, 0.5262 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(213, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 250, 0)  
}
```

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(213, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 82.5173, 0.3930, 0.5262 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(213, 250, 0) }
```

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

```
.border{ border-color:rgb(213, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5173, 0.3930, 0.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 250, 0) }
```

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

```
.background{ background-color: rgb(213,  
250, 0) }
```

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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