

Converting Colors

$Yxy(75.5684, 0.3876, 0.5305)$

Have a look what the booklet for
Yxy(75.5684, 0.3876, 0.5305)
contains.

Yxy(75.6464, 0.3877, 0.5303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.6464, 0.3877, 0.5303)

Conversions

Conversions Part 1

Format	Color
Hex	C7F200
RGB	199, 242, 0
RGB Percent	78%, 95%, 0%
CMY	0.2197, 0.0510, 0.9984
CMYK	0.18, 0.00, 1.00, 0.05
HSL	71°, 100%, 48%
HSV	71°, 100%, 95%
XYZ	55.3048, 75.6464, 11.6972
YIQ	201.5550, 52.0540, -84.3780

Conversions

Conversions Part 2

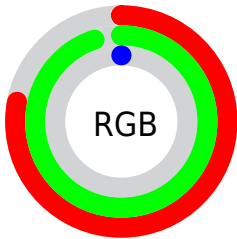
Format	Color
RYB	0, 242, 43
Decimal	13103616
CIELab	89.69, -38.16, 87.16
CIELCh	90, 95.143, 113.644
Yxy	75.6464, 0.3877, 0.5303
Android (android.graphics.Color)	4291293696 (0xFFC7F200)
YUV	201.5550, -99.3666, -2.2407
Hunter-Lab	86.9749, -38.7034, 52.9086

Details

The Yxy color **75.6464, 0.3877, 0.5303** 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 **6.9431, 0.1572, 0.0640**, and the grayscale version is **59.4075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **40.6933, 0.3762, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **75.6389, 0.3877, 0.5304**, and if you desaturate by 10%, it is **76.3153, 0.3890, 0.5242**.

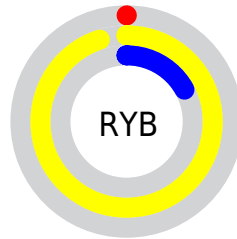
Distribution



Red (78%)

Green (95%)

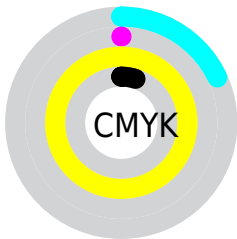
Blue (0%)



Red (0%)

Yellow (95%)

Blue (17%)

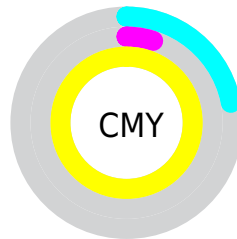


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (22%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6464, 0.3877, 0.5303 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 75.6464, 0.3877, 0.5303 by changing the saturation by 10% instead.


 75.6464, 0.3877,
0.5303

 75.6464, 0.3877,
0.5303


480.1364, 0.3642,
0.4402


 56.1426, 0.3893,
0.5480

 127.2270, 0.3825,
0.5010


 40.3173, 0.3893,
0.5681


 160.0725, 0.3796,
0.4889


 27.7860, 0.3863,
0.5902


 198.1341, 0.3767,
0.4783

 18.1644, 0.3811,
0.6189

 241.7961, 0.3739,
0.4689

 11.0681, 0.3612,
0.6388

 291.4429, 0.3712,
0.4605

 6.1127, 0.3325,
0.6675


 347.4590, 0.3687,

 2.9137, 0.2878,


0.4530


0.7122


410.2287, 0.3664,
0.4463


 1.0868, 0.0754,
0.9246


 0.0000, 0.0000,
0.0000

 75.6464, 0.3877,
0.5303


 75.6464, 0.3877,
0.5303

 75.6389, 0.3877,
0.5304

 76.3153, 0.3890,
0.5242

 77.0816, 0.3881,
0.5139

 77.9742, 0.3845,
0.4990

 79.0088, 0.3784,
0.4799

■ 80.1983, 0.3701,
0.4573

■ 81.5543, 0.3600,
0.4323

■ 83.0870, 0.3487,
0.4060

■ 84.8058, 0.3367,
0.3794

■ 86.7194, 0.3245,
0.3534

Harmonies

Analogous

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



75.6464, 0.4759, 0.4675



75.6464, 0.3877, 0.5303



75.6464, 0.2871, 0.5248

Triad

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



75.6464, 0.3877, 0.5303



75.6464, 0.1343, 0.2101



75.6464, 0.4224, 0.2524

Complementary

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



75.6464, 0.3877, 0.5303



6.9431, 0.1572, 0.0640

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.



75.6464, 0.3055, 0.2016



75.6464, 0.3877, 0.5303



75.6464, 0.1554, 0.1754

Square

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



75.6464, 0.3877, 0.5303



75.6464, 0.1466, 0.2917



75.6464, 0.2112, 0.1746



75.6464, 0.5110, 0.3180

Rectangle

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



75.6464, 0.3877, 0.5303



75.6464, 0.2248, 0.4626



75.6464, 0.2112, 0.1746



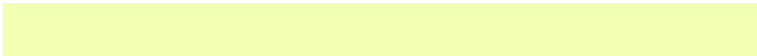
75.6464, 0.3835, 0.2333

Sweetspot

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



75.6498, 0.3877, 0.5303



93.5219, 0.3490, 0.4067



20.4431, 0.6251, 0.3417



19.8565, 0.3538, 0.4178



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.



75.6498, 0.3877, 0.5303



85.1621, 0.3876, 0.5305



65.2562, 0.3162, 0.5871



18.3084, 0.3241, 0.3525



40.6855, 0.3882, 0.5300



3.4215, 0.3925, 0.5265

Inverse Universe

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



6.9431, 0.1572, 0.0640



7.7871, 0.1569, 0.0638



14.0467, 0.2372, 0.1081



15.3640, 0.3007, 0.3048



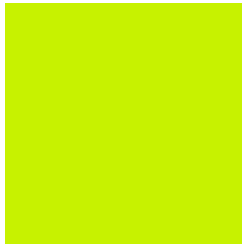
3.7622, 0.1581, 0.0645



0.3510, 0.1693, 0.0706

Previews

White Background



This preview shows how the Yxy color 75.6464, 0.3877, 0.5303 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 75.6464, 0.3877, 0.5303 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 75.6464, 0.3877, 0.5303

Background



This preview shows how black text looks on a background with the Yxy color 75.6464, 0.3877, 0.5303.

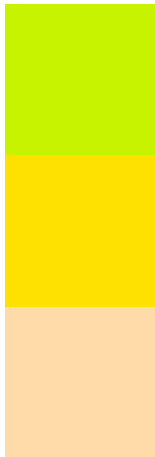


This preview shows how white text looks on a background with the Yxy color 75.6464, 0.3877, 0.5303.

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

75.6464, 0.3877, 0.5303

Protanopia

74.9213, 0.4414, 0.4877

Deuteranopia

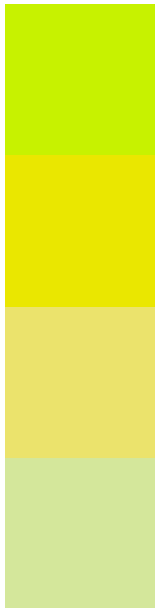
74.7876, 0.3750, 0.3804



Tritanopia

75.3816, 0.2973, 0.3099

Trichromacy



Original Color

75.6464, 0.3877, 0.5303

Protanomaly

74.6443, 0.4216, 0.5035

Deuteranomaly

73.6830, 0.3950, 0.4517

Tritanomaly

73.5154, 0.3481, 0.4151

Monochromacy



Original Color

75.6464, 0.3877, 0.5303

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

63.6282, 0.3602, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6464, 0.3877, 0.5303 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(199, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 242, 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(199, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 75.6464, 0.3877, 0.5303 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(199, 242, 0) }
```

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

```
.border{ border-color:rgb(199, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6464, 0.3877, 0.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 242, 0) }
```

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

```
.background{ background-color: rgb(199,  
242, 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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