

Converting Colors

$Yxy(75.7987, 0.3733, 0.4683)$

Have a look what the booklet for
Yxy(75.7987, 0.3733, 0.4683)
contains.

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Color

Yxy(75.7972, 0.3734, 0.4683)

Conversions

Conversions Part 1

Format	Color
Hex	D5ED6C
RGB	213, 237, 108
RGB Percent	84%, 93%, 42%
CMY	0.1646, 0.0706, 0.5766
CMYK	0.10, 0.00, 0.54, 0.07
HSL	71°, 78%, 68%
HSV	71°, 54%, 93%
XYZ	60.4371, 75.7972, 25.6218
YIQ	215.1180, 27.1050, -45.2070

Conversions

Conversions Part 2

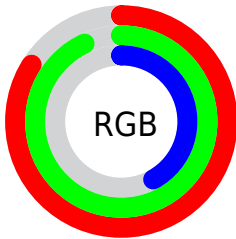
Format	Color
RYB	108, 237, 132
Decimal	14019948
CIELab	89.77, -25.93, 58.88
CIELCh	90, 64.334, 113.766
Yxy	75.7972, 0.3734, 0.4683
Android (android.graphics.Color)	4292210028 (0xFFD5ED6C)
YUV	215.1180, -52.8092, -1.8575
Hunter-Lab	87.0616, -28.4453, 43.4943

Details

The Yxy color **75.7972, 0.3734, 0.4683** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.7324, 0.2240, 0.1614**, and the grayscale version is **68.3932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **40.3727, 0.3822, 0.4998** is the 20% darker color. If you saturate the color by 10%, you get **74.7134, 0.3806, 0.4896**, and if you desaturate by 10%, it is **77.0428, 0.3642, 0.4441**.

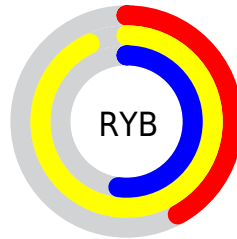
Distribution



Red (84%)

Green (93%)

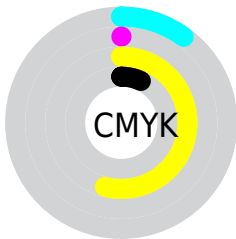
Blue (42%)



Red (42%)

Yellow (93%)

Blue (52%)

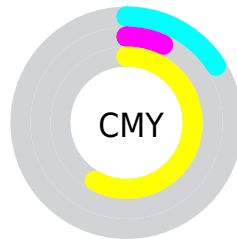


Cyan (10%)

Magenta (0%)

Yellow (54%)

Black (7%)



Cyan (16%)


Magenta (7%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7972, 0.3734, 0.4683 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 75.7972, 0.3734, 0.4683 by changing the saturation by 10% instead.


 75.7972, 0.3734,
0.4683


 75.7972, 0.3734,
0.4683

480.6532, 0.3493,
0.4035


 56.2662, 0.3775,
0.4825


 127.4402, 0.3661,
0.4461


 40.4164, 0.3818,
0.4996


 160.3210, 0.3629,
0.4374

 27.8634, 0.3858,
0.5203


 198.4206, 0.3600,
0.4298

 18.2227, 0.3887,
0.5453

 242.1232, 0.3574,
0.4232

 11.1100, 0.3888,
0.5761

291.8135, 0.3551,
0.4174

 6.1409, 0.3838,
0.6162


347.8756, 0.3530,

 2.9309, 0.3536,


0.4123


0.6464


410.6940, 0.3510,
0.4077


 1.0958, 0.2648,
0.7352


 0.0000, 0.0000,
0.0000


 75.7972, 0.3734,
0.4683


 75.7972, 0.3734,
0.4683


 74.7134, 0.3806,
0.4896


 77.0428, 0.3642,
0.4441

 73.7696, 0.3855,
0.5071


 78.4503, 0.3535,
0.4182


 72.9559, 0.3877,
0.5200

 80.0323, 0.3419,
0.3917

 72.2559, 0.3873,
0.5283

 81.7974, 0.3299,
0.3653

 71.9024, 0.3863,
0.5314

 83.7535, 0.3179,
0.3399

 85.9082, 0.3063,
0.3159

 86.9932, 0.3063,
0.3113

 87.7894, 0.3091,
0.3114

 88.6046, 0.3120,
0.3116

Harmonies

Analogous

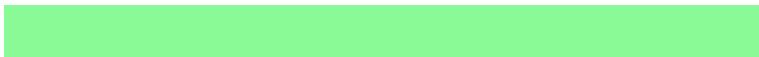
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7972, 0.4339, 0.4361



75.7972, 0.3734, 0.4683



75.7972, 0.3005, 0.4543

Triad

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



75.7972, 0.3734, 0.4683



75.7972, 0.1812, 0.2475



75.7972, 0.3884, 0.2756

Complementary

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



75.7972, 0.3734, 0.4683



21.7324, 0.2240, 0.1614

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.



75.7972, 0.3101, 0.2361



75.7972, 0.3734, 0.4683



75.7972, 0.1977, 0.2178

Square

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



75.7972, 0.3734, 0.4683



75.7972, 0.1931, 0.3077



75.7972, 0.2417, 0.2154



75.7972, 0.4478, 0.3273

Rectangle

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



75.7972, 0.3734, 0.4683



75.7972, 0.2547, 0.4147



75.7972, 0.2417, 0.2154



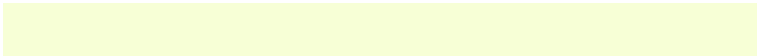
75.7972, 0.3628, 0.2607

Sweetspot

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



75.8006, 0.3734, 0.4683



96.2362, 0.3319, 0.3695



35.4865, 0.4586, 0.3551



20.5040, 0.3343, 0.3749



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.



75.8006, 0.3734, 0.4683



88.1271, 0.3811, 0.4912



68.0228, 0.3279, 0.4919



17.4774, 0.3239, 0.3525



39.3103, 0.3869, 0.5310



3.1234, 0.3916, 0.5272

Inverse Universe

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



21.7324, 0.2240, 0.1614



18.4020, 0.2035, 0.1274



28.5866, 0.2796, 0.1840



14.6835, 0.3009, 0.3048



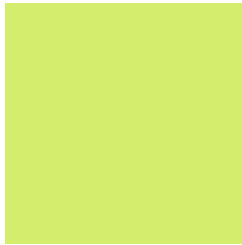
3.6720, 0.1588, 0.0648



0.3263, 0.1709, 0.0715

Previews

White Background



This preview shows how the Yxy color 75.7972, 0.3734, 0.4683 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 75.7972, 0.3734, 0.4683 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 75.7972, 0.3734, 0.4683

Background



This preview shows how black text looks on a background with the Yxy color 75.7972, 0.3734, 0.4683.



This preview shows how white text looks on a background with the Yxy color 75.7972, 0.3734, 0.4683.

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

75.7972, 0.3734, 0.4683

Protanopia

75.7162, 0.4092, 0.4483

Deuteranopia

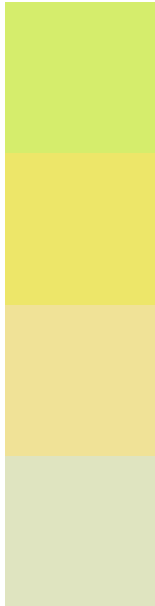
75.5810, 0.3697, 0.3742



Tritanopia

75.5606, 0.3052, 0.3112

Trichromacy



Original Color

75.7972, 0.3734, 0.4683

Protanomaly

75.6181, 0.3965, 0.4559

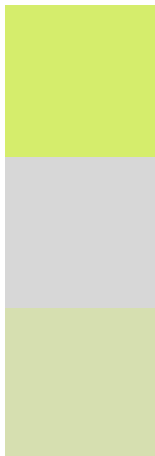
Deuteranomaly

75.1523, 0.3734, 0.4084

Tritanomaly

74.9806, 0.3327, 0.3686

Monochromacy



Original Color

75.7972, 0.3734, 0.4683

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

70.2061, 0.3376, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7972, 0.3734, 0.4683 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, 237, 108)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 108)  
}
```

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, 237, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 108) }
```

Border

The CSS property to change the border of an element to Yxy 75.7972, 0.3734, 0.4683 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, 237, 108) }
```

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

```
.border{ border-color:rgb(213, 237, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 237, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 237, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 237, 108);  
box-shadow:4px 4px 4px 4px rgb(213, 237,  
108) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 75.7972, 0.3734, 0.4683$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 237, 108) }
```

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

```
.background{ background-color: rgb(213,  
237, 108) }
```

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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