

Converting Colors

$Yxy(76.1346, 0.3708, 0.4988)$

Have a look what the booklet for
Yxy(76.1346, 0.3708, 0.4988)
contains.

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Color

Yxy(76.1346, 0.3708, 0.4988)

Conversions

Conversions Part 1

Format	Color
Hex	C6F253
RGB	198, 242, 83
RGB Percent	78%, 95%, 33%
CMY	0.2237, 0.0509, 0.6743
CMYK	0.18, 0.00, 0.66, 0.05
HSL	77°, 86%, 64%
HSV	77°, 66%, 95%
XYZ	56.5973, 76.1346, 19.9037
YIQ	210.7180, 24.8150, -58.7770

Conversions

Conversions Part 2

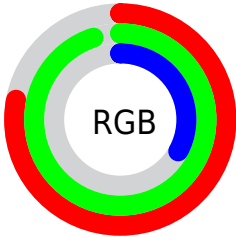
Format	Color
RYB	83, 242, 127
Decimal	13038163
CIELab	89.92, -35.91, 69.12
CIElCh	90, 77.888, 117.453
Yxy	76.1346, 0.3708, 0.4988
Android (android.graphics.Color)	4291228243 (0xFFC6F253)
YUV	210.7180, -62.9650, -11.1537
Hunter-Lab	87.2551, -36.9141, 47.5540

Details

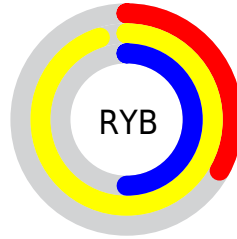
The Yxy color **76.1346, 0.3708, 0.4988** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **17.1232, 0.2131, 0.1308**, and the grayscale version is **65.3577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **40.7223, 0.3747, 0.5364** is the 20% darker color. If you saturate the color by 10%, you get **74.9360, 0.3737, 0.5177**, and if you desaturate by 10%, it is **77.5108, 0.3655, 0.4760**.

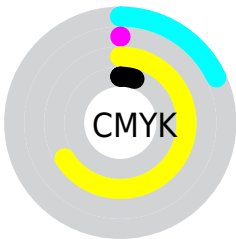
Distribution



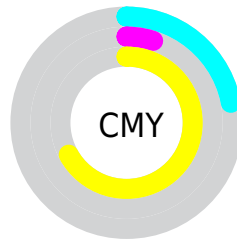
- Red (78%)
- Green (95%)
- Blue (33%)



- Red (33%)
- Yellow (95%)
- Blue (50%)



- Cyan (18%)
- Magenta (0%)
- Yellow (66%)
- Black (5%)




- Cyan (22%)
- Magenta (5%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1346, 0.3708, 0.4988 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 76.1346, 0.3708, 0.4988 by changing the saturation by 10% instead.


 76.1346, 0.3708,
0.4988


 76.1346, 0.3708,
0.4988

481.8083, 0.3502,
0.4198


 56.5429, 0.3733,
0.5159


 127.9172, 0.3653,
0.4719

 40.6384, 0.3753,
0.5361


 160.8768, 0.3627,
0.4613

 28.0366, 0.3757,
0.5602


 199.0612, 0.3602,
0.4520

 18.3533, 0.3730,
0.5885

 242.8547, 0.3579,
0.4439

 11.2039, 0.3694,
0.6306

292.6418, 0.3557,
0.4368

 6.2042, 0.3427,
0.6573

348.8068, 0.3537,

 2.9696, 0.3010,

0.4305

0.6990

411.7342, 0.3519,
0.4248

■ 1.1159, 0.1305,
0.8695

■ 0.0000, 0.0000,
0.0000

■ 76.1346, 0.3708,
0.4988

■ 76.1346, 0.3708,
0.4988

■ 74.9360, 0.3737,
0.5177

■ 77.5108, 0.3655,
0.4760

■ 73.8900, 0.3740,
0.5318


■ 79.0670, 0.3581,
0.4505


■ 72.9818, 0.3718,
0.5411


■ 80.8180, 0.3493,
0.4234


■ 72.6208, 0.3703,
0.5441


■ 82.7740, 0.3394,
0.3959

 84.9445, 0.3291,
0.3689

 87.3383, 0.3186,
0.3430

 89.9635, 0.3083,
0.3188

 91.3539, 0.3111,
0.3165

 91.9913, 0.3133,
0.3166

Harmonies

Analogous

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



76.1346, 0.4464, 0.4591



76.1346, 0.3708, 0.4988



76.1346, 0.2848, 0.4774

Triad

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



76.1346, 0.3708, 0.4988



76.1346, 0.1601, 0.2248



76.1346, 0.4146, 0.2720

Complementary

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



76.1346, 0.3708, 0.4988



17.1232, 0.2131, 0.1308

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.



76.1346, 0.3199, 0.2249



76.1346, 0.3708, 0.4988



76.1346, 0.1826, 0.1966

Square

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



76.1346, 0.3708, 0.4988



76.1346, 0.1685, 0.2901



76.1346, 0.2364, 0.1982



76.1346, 0.4811, 0.3316

Rectangle

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



76.1346, 0.3708, 0.4988



76.1346, 0.2328, 0.4231



76.1346, 0.2364, 0.1982



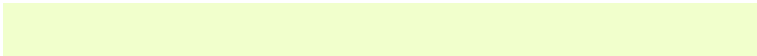
76.1346, 0.3840, 0.2545

Sweetspot

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



76.1380, 0.3708, 0.4988



94.5576, 0.3336, 0.3806



34.2820, 0.4940, 0.3716



20.0929, 0.3365, 0.3882



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.



76.1380, 0.3708, 0.4988



83.9498, 0.3741, 0.5232



68.1393, 0.3200, 0.5307



18.2261, 0.3225, 0.3526



39.0798, 0.3712, 0.5435



3.3004, 0.3777, 0.5383

Inverse Universe

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



17.1232, 0.2131, 0.1308



13.0909, 0.1910, 0.0973



25.5722, 0.2830, 0.1634



15.4407, 0.3023, 0.3049



4.1443, 0.1675, 0.0696



0.3927, 0.1810, 0.0771

Previews

White Background



This preview shows how the Yxy color 76.1346, 0.3708, 0.4988 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 76.1346, 0.3708, 0.4988 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 76.1346, 0.3708, 0.4988

Background



This preview shows how black text looks on a background with the Yxy color 76.1346, 0.3708, 0.4988.



This preview shows how white text looks on a background with the Yxy color 76.1346, 0.3708, 0.4988.

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

76.1346, 0.3708, 0.4988

Protanopia

75.6527, 0.4224, 0.4648

Deuteranopia

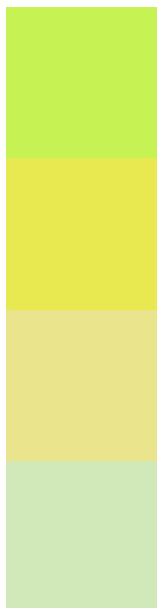
75.5024, 0.3711, 0.3763



Tritanopia

75.5233, 0.2948, 0.3098

Trichromacy



Original Color

76.1346, 0.3708, 0.4988

Protanomaly

75.4482, 0.4029, 0.4780

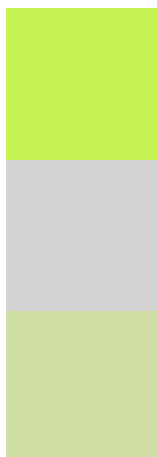
Deuteranomaly

74.9023, 0.3745, 0.4219

Tritanomaly

74.7713, 0.3267, 0.3822

Monochromacy



Original Color

76.1346, 0.3708, 0.4988

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

68.0447, 0.3398, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1346, 0.3708, 0.4988 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(198, 242, 83)` looks like.

```
.text, #text, p{  
    color:rgb(198, 242, 83)  
}
```

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(198, 242, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 242, 83) }
```

Border

The CSS property to change the border of an element to Yxy 76.1346, 0.3708, 0.4988 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(198, 242, 83) }
```

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

```
.border{ border-color:rgb(198, 242, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 242, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 242, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 242, 83);  
box-shadow:4px 4px 4px 4px rgb(198, 242,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1346, 0.3708, 0.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 242, 83) }
```

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

```
.background{ background-color: rgb(198,  
242, 83) }
```

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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