

Converting Colors

$Yxy(70.3604, 0.3877, 0.5020)$

Have a look what the booklet for
Yxy(70.3604, 0.3877, 0.5020)
contains.

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Color

Yxy(70.3481, 0.3880, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	CCE73F
RGB	204, 231, 63
RGB Percent	80%, 91%, 25%
CMY	0.2000, 0.0941, 0.7529
CMYK	0.12, 0.00, 0.73, 0.09
HSL	70°, 78%, 58%
HSV	70°, 73%, 91%
XYZ	54.3726, 70.3481, 15.4149
YIQ	203.7750, 37.8360, -57.9720

Conversions

Conversions Part 2

Format	Color
RYB	63, 231, 90
Decimal	13428543
CIELab	87.17, -29.62, 73.64
CIELCh	87, 79.371, 111.912
Yxy	70.3481, 0.3880, 0.5020
Android (android.graphics.Color)	4291618623 (0xFFCCE73F)
YUV	203.7750, -69.4021, 0.1973
Hunter-Lab	83.8738, -31.0634, 47.8149

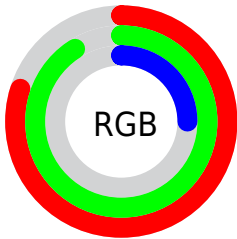
Details

The Yxy color **70.3481, 0.3880, 0.5020** is a light color, and the websafe version is hex **CCFF66**.

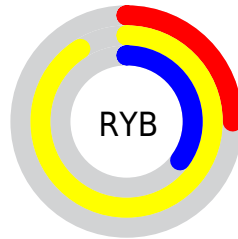
The color can be described as light washed yellow. A complement of this color would be **11.5002, 0.1879, 0.1058**, and the grayscale version is **60.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1851, 0.3889, 0.4549**, and **36.7709, 0.3905, 0.5282** is the 20% darker color. If you saturate the color by 10%, you get **69.6262, 0.3911, 0.5153**, and if you desaturate by 10%, it is **71.1972, 0.3823, 0.4843**.

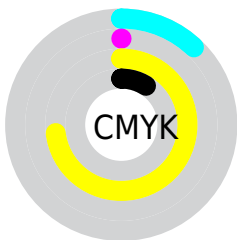
Distribution



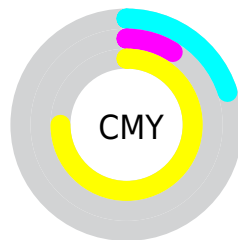
- Red (80%)
- Green (91%)
- Blue (25%)



- Red (25%)
- Yellow (91%)
- Blue (35%)



- Cyan (12%)
- Magenta (0%)
- Yellow (73%)
- Black (9%)




- Cyan (20%)
- Magenta (9%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3481, 0.3880, 0.5020 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 70.3481, 0.3880, 0.5020 by changing the saturation by 10% instead.


 70.3481, 0.3880,
0.5020


 70.3481, 0.3880,
0.5020


461.7713, 0.3602,
0.4225


 51.8104, 0.3917,
0.5186

 119.7050, 0.3803,
0.4754


 36.8539, 0.3947,
0.5379


 151.2930, 0.3767,
0.4647


 25.0944, 0.3960,
0.5600


 187.9999, 0.3734,
0.4553

 16.1474, 0.3944,
0.5861

 230.2101, 0.3703,
0.4471

 9.6285, 0.3856,
0.6144

 278.3079, 0.3674,
0.4399

 5.1534, 0.3610,
0.6390


332.6778, 0.3648,


 2.3375, 0.3214,


0.4334


0.6786


393.7041, 0.3624,
0.4276


 0.7935, 0.0377,
0.9623


 0.0000, 0.0000,
0.0000


 70.3481, 0.3880,
0.5020


 70.3481, 0.3880,
0.5020


 69.6262, 0.3911,
0.5153


 71.1972, 0.3823,
0.4843


 69.0072, 0.3917,
0.5239


 72.1761, 0.3742,
0.4630


 68.6069, 0.3908,
0.5279

 73.2984, 0.3642,
0.4389


 74.5736, 0.3529,
0.4132

 76.0104, 0.3408,
0.3868

 77.6165, 0.3283,
0.3607

 79.3993, 0.3160,
0.3356

 81.3657, 0.3041,
0.3119

 82.4546, 0.3022,
0.3050

Harmonies

Analogous

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



70.3481, 0.4626, 0.4518



70.3481, 0.3880, 0.5020



70.3481, 0.2991, 0.4955

Triad

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



70.3481, 0.3880, 0.5020



70.3481, 0.1538, 0.2296



70.3481, 0.4017, 0.2594

Complementary

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



70.3481, 0.3880, 0.5020



11.5002, 0.1879, 0.1058

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.



70.3481, 0.3020, 0.2142



70.3481, 0.3880, 0.5020



70.3481, 0.1712, 0.1944

Square

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



70.3481, 0.3880, 0.5020



70.3481, 0.1683, 0.3048



70.3481, 0.2205, 0.1911



70.3481, 0.4800, 0.3189

Rectangle

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



70.3481, 0.3880, 0.5020



70.3481, 0.2429, 0.4464



70.3481, 0.2205, 0.1911



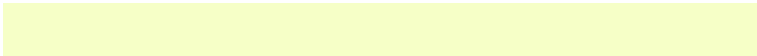
70.3481, 0.3685, 0.2423

Sweetspot

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



70.3513, 0.3880, 0.5020



95.2276, 0.3400, 0.3852



24.3622, 0.5402, 0.3523



20.2726, 0.3434, 0.3924



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.



70.3513, 0.3880, 0.5020



86.7404, 0.3917, 0.5199



61.6389, 0.3295, 0.5419



16.6937, 0.3243, 0.3524



38.5044, 0.3913, 0.5275



2.8769, 0.3956, 0.5241

Inverse Universe

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



11.5002, 0.1879, 0.1058



9.5751, 0.1670, 0.0760



18.1194, 0.2584, 0.1408



13.9979, 0.3005, 0.3049



3.4915, 0.1570, 0.0639



0.2919, 0.1690, 0.0705

Previews

White Background



This preview shows how the Yxy color 70.3481, 0.3880, 0.5020 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 70.3481, 0.3880, 0.5020 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 70.3481, 0.3880, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 70.3481, 0.3880, 0.5020.



This preview shows how white text looks on a background with the Yxy color 70.3481, 0.3880, 0.5020.

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

70.3481, 0.3880, 0.5020

Protanopia

69.8815, 0.4298, 0.4727

Deuteranopia

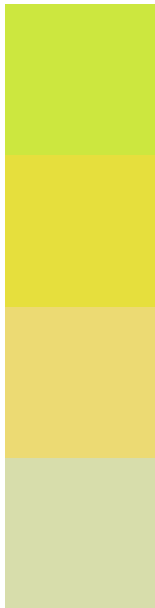
69.8929, 0.3954, 0.3968



Tritanopia

70.3671, 0.3050, 0.3107

Trichromacy



Original Color

70.3481, 0.3880, 0.5020

Protanomaly

69.9353, 0.4141, 0.4838

Deuteranomaly

69.2135, 0.3966, 0.4374

Tritanomaly

69.1003, 0.3421, 0.3861

Monochromacy



Original Color

70.3481, 0.3880, 0.5020

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

63.2304, 0.3475, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3481, 0.3880, 0.5020 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(204, 231, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 63)  
}
```

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(204, 231, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 63) }
```

Border

The CSS property to change the border of an element to Yxy 70.3481, 0.3880, 0.5020 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(204, 231, 63) }
```

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

```
.border{ border-color:rgb(204, 231, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 231, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3481, 0.3880, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 63) }
```

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

```
.background{ background-color: rgb(204,  
231, 63) }
```

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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