

Converting Colors

$Y_{xy}(70.1239, 0.3952, 0.5192)$

Have a look what the booklet for
Yxy(70.1239, 0.3952, 0.5192)
contains.

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Color

Yxy(69.9143, 0.3958, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	CBE718
RGB	203, 231, 24
RGB Percent	80%, 91%, 9%
CMY	0.2040, 0.0941, 0.9051
CMYK	0.12, 0.00, 0.90, 0.09
HSL	68°, 81%, 50%
HSV	68°, 90%, 91%
XYZ	53.3695, 69.9143, 11.5557
YIQ	199.0300, 49.7590, -70.3130

Conversions

Conversions Part 2

Format	Color
R _Y B	24, 231, 52
Decimal	13362968
CIE Lab	86.95, -31.27, 82.82
CIE LCh	87, 88.525, 110.687
Yxy	69.9143, 0.3958, 0.5185
Android (android.graphics.Color)	4291553048 (0xFFCBE718)
YUV	199.0300, -86.2898, 3.4817
Hunter-Lab	83.6148, -32.3932, 50.3363

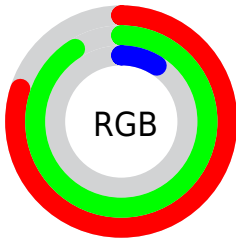
Details

The Yxy color **69.9143, 0.3958, 0.5185** is a light color, and the websafe version is hex **CCFF33**.

The color can be described as light washed yellow. A complement of this color would be **7.1667, 0.1627, 0.0720**, and the grayscale version is **57.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **36.5892, 0.3885, 0.5297** is the 20% darker color. If you saturate the color by 10%, you get **69.4182, 0.3954, 0.5241**, and if you desaturate by 10%, it is **70.5021, 0.3940, 0.5089**.

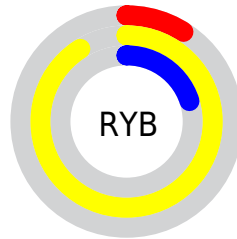
Distribution



Red (80%)

Green (91%)

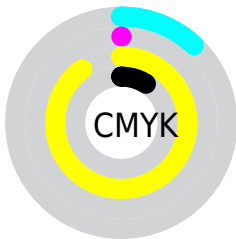
Blue (9%)



Red (9%)

Yellow (91%)

Blue (20%)

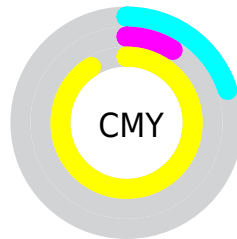


Cyan (12%)

Magenta (0%)

Yellow (90%)

Black (9%)



Cyan (20%)


Magenta (9%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9143, 0.3958, 0.5185 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 69.9143, 0.3958, 0.5185 by changing the saturation by 10% instead.


 69.9143, 0.3958,
0.5185


 69.9143, 0.3958,
0.5185

460.2490, 0.3670,
0.4332


 51.4567, 0.3988,
0.5354


 119.0865, 0.3885,
0.4906

 36.5722, 0.4005,
0.5545


 150.5699, 0.3849,
0.4792


 24.8764, 0.3995,
0.5755


 187.1640, 0.3814,
0.4691

 15.9850, 0.3970,
0.6030

 229.2532, 0.3781,
0.4602

 9.5135, 0.3792,
0.6208

 277.2220, 0.3750,
0.4523

 5.0776, 0.3530,
0.6470


 331.4546, 0.3721,

 2.2929, 0.3107,


0.4452


0.6893


392.3355, 0.3695,
0.4389


 0.7699, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.9143, 0.3958,
0.5185


 69.9143, 0.3958,
0.5185


 69.4182, 0.3954,
0.5241


 70.5021, 0.3940,
0.5089

 69.3955, 0.3953,
0.5243


 71.1944, 0.3896,
0.4947

 72.0080, 0.3826,
0.4763


 72.9544, 0.3734,
0.4545

 74.0438, 0.3625,
0.4302

 75.2852, 0.3504,
0.4044

 76.6869, 0.3376,
0.3783

 78.2567, 0.3248,
0.3526

 80.0017, 0.3121,
0.3279

Harmonies

Analogous

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



69.9143, 0.4778, 0.4570



69.9143, 0.3958, 0.5185



69.9143, 0.2989, 0.5199

Triad

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



69.9143, 0.3958, 0.5185



69.9143, 0.1398, 0.2207



69.9143, 0.4070, 0.2498

Complementary

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



69.9143, 0.3958, 0.5185



7.1667, 0.1627, 0.0720

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.



69.9143, 0.2957, 0.2023



69.9143, 0.3958, 0.5185



69.9143, 0.1572, 0.1825

Square

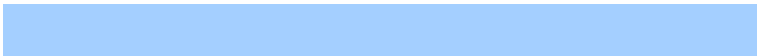
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9143, 0.3958, 0.5185



69.9143, 0.1558, 0.3046



69.9143, 0.2082, 0.1786



69.9143, 0.4968, 0.3128

Rectangle

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



69.9143, 0.3958, 0.5185



69.9143, 0.2373, 0.4668



69.9143, 0.2082, 0.1786



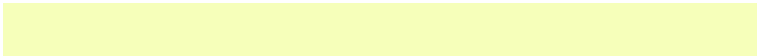
69.9143, 0.3695, 0.2317

Sweetspot

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



69.9175, 0.3958, 0.5185



94.6055, 0.3474, 0.3982



19.4921, 0.6061, 0.3440



20.1271, 0.3517, 0.4072



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.



69.9175, 0.3958, 0.5185



86.8074, 0.3952, 0.5244



59.9328, 0.3251, 0.5730



16.7130, 0.3247, 0.3524



38.9417, 0.3957, 0.5240



2.9052, 0.3994, 0.5211

Inverse Universe

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



7.1667, 0.1627, 0.0720



7.5693, 0.1543, 0.0624



13.4170, 0.2390, 0.1133



13.9803, 0.3001, 0.3048



3.4309, 0.1554, 0.0630



0.2836, 0.1661, 0.0689

Previews

White Background



This preview shows how the Yxy color 69.9143, 0.3958, 0.5185 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 69.9143, 0.3958, 0.5185 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 69.9143, 0.3958, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 69.9143, 0.3958, 0.5185.



This preview shows how white text looks on a background with the Yxy color 69.9143, 0.3958, 0.5185.

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

69.9143, 0.3958, 0.5185

Protanopia

69.6023, 0.4389, 0.4861

Deuteranopia

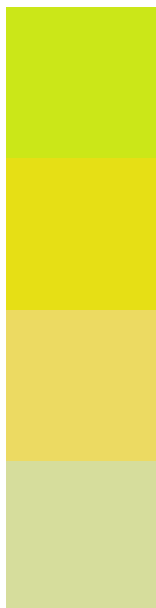
69.2466, 0.3994, 0.4007



Tritanopia

69.6427, 0.3050, 0.3106

Trichromacy



Original Color

69.9143, 0.3958, 0.5185

Protanomaly

69.6525, 0.4230, 0.4981

Deuteranomaly

68.8575, 0.4062, 0.4521

Tritanomaly

68.4093, 0.3515, 0.4036

Monochromacy



Original Color

69.9143, 0.3958, 0.5185

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

60.6172, 0.3575, 0.4209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9143, 0.3958, 0.5185 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(203, 231, 24)` looks like.

```
.text, #text, p{  
    color:rgb(203, 231, 24)  
}
```

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(203, 231, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 231, 24) }
```

Border

The CSS property to change the border of an element to Yxy 69.9143, 0.3958, 0.5185 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(203, 231, 24) }
```

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

```
.border{ border-color:rgb(203, 231, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 231, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 231, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 231, 24);  
box-shadow:4px 4px 4px 4px rgb(203, 231,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9143, 0.3958, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 231, 24) }
```

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

```
.background{ background-color: rgb(203,  
231, 24) }
```

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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