

Converting Colors

$Y_{xy}(70.4153, 0.3995, 0.5197)$

Have a look what the booklet for
Yxy(70.4153, 0.3995, 0.5197)
contains.

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Color

Yxy(70.2890, 0.3997, 0.5196)

Conversions

Conversions Part 1

Format	Color
Hex	CEE707
RGB	206, 231, 7
RGB Percent	81%, 91%, 3%
CMY	0.1921, 0.0941, 0.9727
CMYK	0.11, 0.00, 0.97, 0.09
HSL	67°, 94%, 47%
HSV	67°, 97%, 91%
XYZ	54.0695, 70.2890, 10.9167
YIQ	197.9890, 57.0040, -74.9640

Conversions

Conversions Part 2

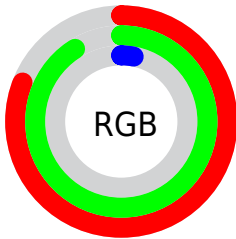
Format	Color
R _Y B	7, 231, 32
Decimal	13559559
CIE Lab	87.14, -30.27, 84.91
CIE LCh	87, 90.146, 109.620
Yxy	70.2890, 0.3997, 0.5196
Android (android.graphics.Color)	4291749639 (0xFFCEE707)
YUV	197.9890, -94.1576, 7.0256
Hunter-Lab	83.8385, -31.5985, 50.9668

Details

The Yxy color **70.2890, 0.3997, 0.5196** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **6.2277, 0.1551, 0.0640**, and the grayscale version is **57.0236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **37.2537, 0.3906, 0.5280** is the 20% darker color. If you saturate the color by 10%, you get **70.1658, 0.3996, 0.5209**, and if you desaturate by 10%, it is **70.7430, 0.3993, 0.5137**.

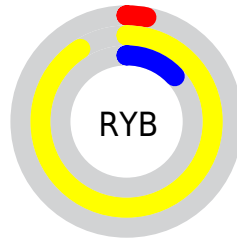
Distribution



Red (81%)

Green (91%)

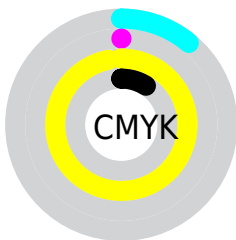
Blue (3%)



Red (3%)

Yellow (91%)

Blue (13%)

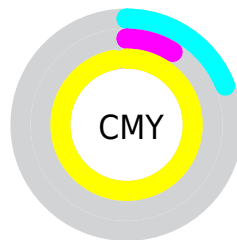


Cyan (11%)

Magenta (0%)

Yellow (97%)

Black (9%)



Cyan (19%)


Magenta (9%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2890, 0.3997, 0.5196 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 70.2890, 0.3997, 0.5196 by changing the saturation by 10% instead.


 70.2890, 0.3997,
0.5196


 70.2890, 0.3997,
0.5196

 461.5641, 0.3697,
0.4346


 51.7622, 0.4028,
0.5361


 119.6208, 0.3922,
0.4921

 36.8155, 0.4045,
0.5546


 151.1946, 0.3884,
0.4807


 25.0647, 0.4035,
0.5747


 187.8861, 0.3847,
0.4707


 16.1253, 0.4002,
0.5998

 230.0798, 0.3812,
0.4618

 9.6128, 0.3832,
0.6168

 278.1600, 0.3780,
0.4538

 5.1430, 0.3581,
0.6419


 332.5112, 0.3750,


 2.3314, 0.3175,


0.4468


0.6825


393.5178, 0.3722,
0.4404


 0.7903, 0.0152,
0.9848


 0.0000, 0.0000,
0.0000


 70.2890, 0.3997,
0.5196


 70.2890, 0.3997,
0.5196

 70.1658, 0.3996,
0.5209

 70.7430, 0.3993,
0.5137

 71.2856, 0.3964,
0.5034

 71.9367, 0.3909,
0.4886

 72.7094, 0.3829,
0.4698

■ 73.6147, 0.3727,
0.4476

■ 74.6625, 0.3610,
0.4232

■ 75.8616, 0.3483,
0.3975

■ 77.2201, 0.3350,
0.3716

■ 78.7456, 0.3218,
0.3461

Harmonies

Analogous

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



70.2890, 0.4821, 0.4554



70.2890, 0.3997, 0.5196



70.2890, 0.3017, 0.5251

Triad

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



70.2890, 0.3997, 0.5196



70.2890, 0.1377, 0.2211



70.2890, 0.4044, 0.2466

Complementary

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



70.2890, 0.3997, 0.5196



6.2277, 0.1551, 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.



70.2890, 0.2916, 0.1994



70.2890, 0.3997, 0.5196



70.2890, 0.1541, 0.1813

Square

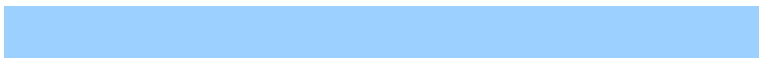
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2890, 0.3997, 0.5196



70.2890, 0.1549, 0.3079



70.2890, 0.2043, 0.1764



70.2890, 0.4975, 0.3098

Rectangle

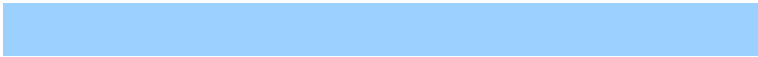
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2890, 0.3997, 0.5196



70.2890, 0.2390, 0.4733



70.2890, 0.2043, 0.1764



70.2890, 0.3661, 0.2286

Sweetspot

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



70.2922, 0.3997, 0.5196



94.5869, 0.3511, 0.4031



17.9021, 0.6282, 0.3363



20.1065, 0.3566, 0.4142



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.



70.2922, 0.3997, 0.5196



87.7777, 0.3995, 0.5210



59.6879, 0.3248, 0.5787



16.7313, 0.3250, 0.3523



39.3686, 0.3999, 0.5207



2.9326, 0.4029, 0.5183

Inverse Universe

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



6.2277, 0.1551, 0.0640



7.4733, 0.1531, 0.0617



11.6183, 0.2248, 0.1022



13.9637, 0.2997, 0.3048



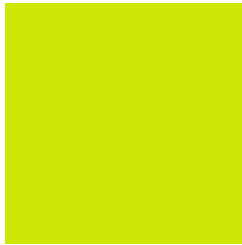
3.3823, 0.1541, 0.0622



0.2757, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 70.2890, 0.3997, 0.5196 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 70.2890, 0.3997, 0.5196 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 70.2890, 0.3997, 0.5196

Background



This preview shows how black text looks on a background with the Yxy color 70.2890, 0.3997, 0.5196.



This preview shows how white text looks on a background with the Yxy color 70.2890, 0.3997, 0.5196.

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

70.2890, 0.3997, 0.5196

Deuteranopia

69.8015, 0.3975, 0.3997

Tritanopia

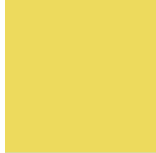
70.1150, 0.3071, 0.3107

Trichromacy



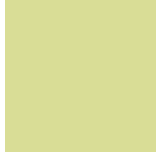
Original Color

70.2890, 0.3997, 0.5196



Deuteranomaly

68.9376, 0.4096, 0.4556



Tritanomaly

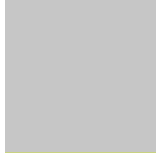
68.6666, 0.3579, 0.4097

Monochromacy



Original Color

70.2890, 0.3997, 0.5196



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.0957, 0.3627, 0.4266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2890, 0.3997, 0.5196 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(206, 231, 7)` looks like.

```
.text, #text, p{  
    color:rgb(206, 231, 7)  
}
```

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(206, 231, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 231, 7) }
```

Border

The CSS property to change the border of an element to Yxy 70.2890, 0.3997, 0.5196 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(206, 231, 7) }
```

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

```
.border{ border-color:rgb(206, 231, 7) }
```

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

Here you see how a box with a 4 pixel rgb(206, 231, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 231, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 231, 7);  
box-shadow:4px 4px 4px 4px rgb(206, 231,  
7) }
```

Background

The CSS property to change the background color of an element to Yxy 70.2890, 0.3997, 0.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 231, 7) }
```

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

```
.background{ background-color: rgb(206,  
231, 7) }
```

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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