

Converting Colors

$Yxy(70.8826, 0.4088, 0.5136)$

Have a look what the booklet for
Yxy(70.8826, 0.4088, 0.5136)
contains.

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Color

Yxy(71.1926, 0.4086, 0.5138)

Conversions

Conversions Part 1

Format	Color
Hex	D8E600
RGB	216, 230, 0
RGB Percent	85%, 90%, 0%
CMY	0.1529, 0.0980, 1.0000
CMYK	0.06, 0.00, 1.00, 0.10
HSL	64°, 100%, 45%
HSV	64°, 100%, 90%
XYZ	56.6160, 71.1926, 10.7523
YIQ	199.5940, 65.4860, -74.4980

Conversions

Conversions Part 2

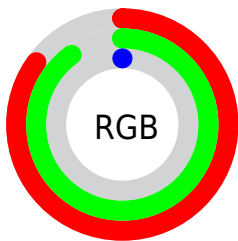
Format	Color
R_{YB}	0, 230, 14
Decimal	14214656
CIE _{Lab}	87.58, -25.76, 86.14
CIE _{LCh}	88, 89.910, 106.650
Yxy	71.1926, 0.4086, 0.5138
Android (android.graphics.Color)	4292404736 (0xFFD8E600)
YUV	199.5940, -98.3998, 14.3881
Hunter-Lab	84.3757, -27.8842, 51.5074

Details

The Yxy color **71.1926, 0.4086, 0.5138** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **5.8069, 0.1515, 0.0608**, and the grayscale version is **58.0853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **37.7279, 0.4004, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **71.1962, 0.4086, 0.5138**, and if you desaturate by 10%, it is **71.4723, 0.4078, 0.5096**.

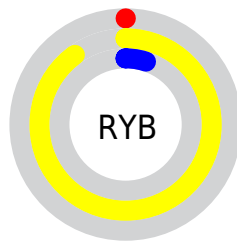
Distribution



Red (85%)

Green (90%)

Blue (0%)



Red (0%)

Yellow (90%)

Blue (5%)

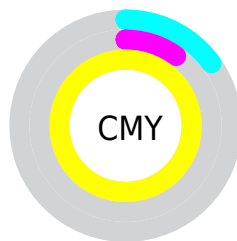


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (15%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1926, 0.4086, 0.5138 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 71.1926, 0.4086, 0.5138 by changing the saturation by 10% instead.


 71.1926, 0.4086,
0.5138


 71.1926, 0.4086,
0.5138


464.7264, 0.3746,
0.4329

 52.4994, 0.4126,
0.5291


 120.9079, 0.3997,
0.4880


 37.4033, 0.4154,
0.5460


 152.6988, 0.3954,
0.4772

 25.5199, 0.4157,
0.5640


 189.6244, 0.3912,
0.4676

 16.4648, 0.4141,
0.5859

 232.0691, 0.3874,
0.4591

 9.8537, 0.4000,
0.6000

 280.4172, 0.3838,
0.4515

 5.3020, 0.3791,
0.6209


 335.0532, 0.3805,

 2.4255, 0.3455,


0.4447


0.6545


396.3615, 0.3774,
0.4385

 0.8390, 0.1673,
0.8327


 0.0000, 0.0000,
0.0000


 71.1926, 0.4086,
0.5138

 71.1926, 0.4086,
0.5138

 71.1962, 0.4086,
0.5138

 71.4723, 0.4078,
0.5096

 71.8237, 0.4048,
0.5017

 72.2739, 0.3991,
0.4893

 72.8367, 0.3909,
0.4727

■ 73.5233, 0.3805,
0.4524

■ 74.3438, 0.3682,
0.4294

■ 75.3073, 0.3548,
0.4046

■ 76.4218, 0.3408,
0.3791

■ 77.6951, 0.3266,
0.3537

Harmonies

Analogous

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



71.1926, 0.4876, 0.4477



71.1926, 0.4086, 0.5138



71.1926, 0.3117, 0.5274

Triad

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



71.1926, 0.4086, 0.5138



71.1926, 0.1387, 0.2281



71.1926, 0.3927, 0.2415

Complementary

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



71.1926, 0.4086, 0.5138



5.8069, 0.1515, 0.0608

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.



71.1926, 0.2816, 0.1967



71.1926, 0.4086, 0.5138



71.1926, 0.1519, 0.1843

Square

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



71.1926, 0.4086, 0.5138



71.1926, 0.1596, 0.3194



71.1926, 0.1983, 0.1763



71.1926, 0.4896, 0.3034

Rectangle

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



71.1926, 0.4086, 0.5138



71.1926, 0.2483, 0.4824



71.1926, 0.1983, 0.1763



71.1926, 0.3545, 0.2242

Sweetspot

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



71.1962, 0.4086, 0.5138



95.1419, 0.3550, 0.4051



17.0749, 0.6373, 0.3322



20.2492, 0.3608, 0.4157



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.



71.1962, 0.4086, 0.5138



89.9539, 0.4085, 0.5138



59.5101, 0.3291, 0.5769



16.7702, 0.3258, 0.3523



40.3248, 0.4088, 0.5136



2.9935, 0.4104, 0.5123

Inverse Universe

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



5.8069, 0.1515, 0.0608



7.3260, 0.1513, 0.0607



10.1874, 0.2111, 0.0937



13.9288, 0.2990, 0.3048



3.3047, 0.1519, 0.0611



0.2591, 0.1574, 0.0641

Previews

White Background



This preview shows how the Yxy color 71.1926, 0.4086, 0.5138 looks on a white background.

Color Contrast Check

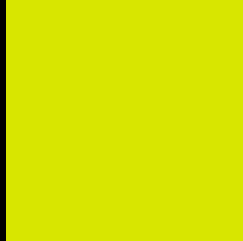
Large Text (above 18pt) WCAG AA × Fail

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 71.1926, 0.4086, 0.5138 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 71.1926, 0.4086, 0.5138

Background



This preview shows how black text looks on a background with the Yxy color 71.1926, 0.4086, 0.5138.



This preview shows how white text looks on a background with the Yxy color 71.1926, 0.4086, 0.5138.

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

71.1926, 0.4086, 0.5138

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

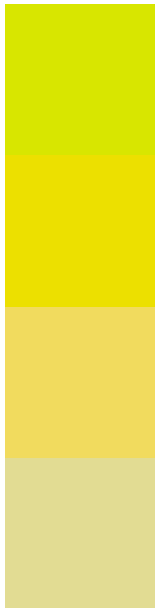
70.9866, 0.3924, 0.3957



Tritanopia

71.0185, 0.3143, 0.3111

Trichromacy



Original Color

71.1926, 0.4086, 0.5138

Protanomaly

71.1442, 0.4286, 0.4979

Deuteranomaly

70.1720, 0.4116, 0.4540

Tritanomaly

69.4617, 0.3673, 0.4100

Monochromacy



Original Color

71.1926, 0.4086, 0.5138

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

61.2426, 0.3678, 0.4284

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1926, 0.4086, 0.5138 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(216, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 230, 0)  
}
```

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(216, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 230, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.1926, 0.4086, 0.5138 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(216, 230, 0) }
```

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

```
.border{ border-color:rgb(216, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(216, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 230,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1926, 0.4086, 0.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 230, 0) }
```

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

```
.background{ background-color: rgb(216,  
230, 0) }
```

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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