

Converting Colors

$Y_{xy}(71.7973, 0.4202, 0.5518)$

Have a look what the booklet for
Yxy(71.7973, 0.4202, 0.5518)
contains.

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Color

Yxy(72.1267, 0.4026, 0.5185)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D3E900 |
| RGB | 211, 233, 0 |
| RGB Percent | 83%, 91%, 0% |
| CMY | 0.1725, 0.0863, 0.9991 |
| CMYK | 0.09, 0.00, 1.00, 0.09 |
| HSL | 66°, 100%, 46% |
| HSV | 66°, 100%, 91% |
| XYZ | 56.0043, 72.1267, 10.9755 |
| YIQ | 199.8600, 61.6810, -77.1270 |

Conversions

Conversions Part 2

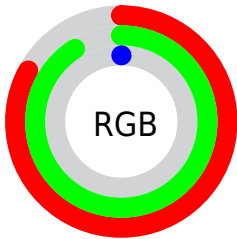
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 233, 22 |
| Decimal | 13887744 |
| CIELab | 88.03, -29.23, 86.28 |
| CIELCh | 88, 91.098, 108.713 |
| Yxy | 72.1267, 0.4026, 0.5185 |
| Android (android.graphics.Color) | 4292077824 (0xFFD3E900) |
| YUV | 199.8600, -98.5310, 9.7698 |
| Hunter-Lab | 84.9274, -30.9136, 51.7869 |

Details

The Yxy color **72.1267, 0.4026, 0.5185** 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 **6.0614, 0.1526, 0.0615**, and the grayscale version is **58.2759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **38.0236, 0.3937, 0.5256** is the 20% darker color. If you saturate the color by 10%, you get **72.1265, 0.4026, 0.5185**, and if you desaturate by 10%, it is **72.5210, 0.4024, 0.5137**.

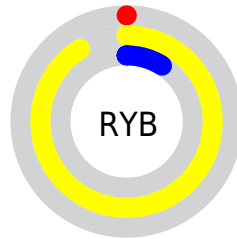
Distribution



Red (83%)

Green (91%)

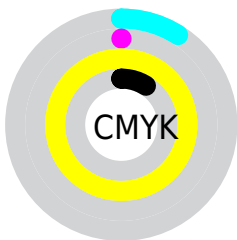
Blue (0%)



Red (0%)

Yellow (91%)

Blue (9%)

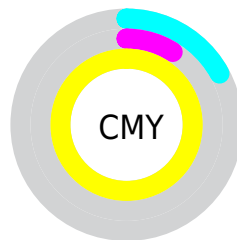


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (17%)


Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1267, 0.4026, 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 72.1267, 0.4026, 0.5185 by changing the saturation by 10% instead.


 72.1267, 0.4026,
0.5185


 72.1267, 0.4026,
0.5185


467.9825, 0.3715,
0.4349

 53.2622, 0.4059,
0.5345


 122.2366, 0.3948,
0.4916


 38.0121, 0.4079,
0.5523


 154.2509, 0.3908,
0.4805


 25.9921, 0.4072,
0.5716


 191.4171, 0.3870,
0.4706

 16.8177, 0.4045,
0.5955

 234.1198, 0.3835,
0.4618

 10.1046, 0.3886,
0.6114

 282.7432, 0.3802,
0.4540

 5.4684, 0.3653,
0.6347


 337.6719, 0.3771,


 2.5246, 0.3280,


0.4470

0.6720


399.2902, 0.3742,
0.4406


 0.8889, 0.1288,
0.8712


 0.0000, 0.0000,
0.0000

 72.1267, 0.4026,
0.5185


 72.1267, 0.4026,
0.5185

 72.1265, 0.4026,
0.5185

 72.5210, 0.4024,
0.5137

 72.9929, 0.4000,
0.5051

 73.5693, 0.3949,
0.4920

 74.2644, 0.3873,
0.4747

■ 75.0900, 0.3774,
0.4537

■ 76.0563, 0.3658,
0.4301

■ 77.1728, 0.3530,
0.4049

■ 78.4478, 0.3395,
0.3791

■ 79.8892, 0.3259,
0.3535

Harmonies

Analogous

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



72.1267, 0.4843, 0.4533



72.1267, 0.4026, 0.5185



72.1267, 0.3046, 0.5268

Triad

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



72.1267, 0.4026, 0.5185



72.1267, 0.1375, 0.2228



72.1267, 0.4012, 0.2447

Complementary

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



72.1267, 0.4026, 0.5185



6.0614, 0.1526, 0.0615

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.



72.1267, 0.2884, 0.1981



72.1267, 0.4026, 0.5185



72.1267, 0.1529, 0.1817

Square

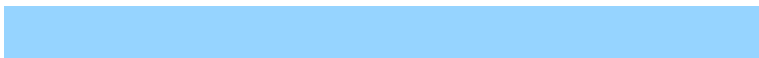
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1267, 0.4026, 0.5185



72.1267, 0.1558, 0.3112



72.1267, 0.2020, 0.1759



72.1267, 0.4958, 0.3077

Rectangle

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



72.1267, 0.4026, 0.5185



72.1267, 0.2415, 0.4768



72.1267, 0.2020, 0.1759



72.1267, 0.3627, 0.2269

Sweetspot

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



72.1300, 0.4026, 0.5185



94.6688, 0.3533, 0.4055



17.8119, 0.6348, 0.3340



20.1342, 0.3588, 0.4163



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.



72.1300, 0.4026, 0.5185



88.4919, 0.4025, 0.5186



60.8340, 0.3251, 0.5800



17.5504, 0.3253, 0.3524



40.9539, 0.4029, 0.5183



3.2370, 0.4053, 0.5164

Inverse Universe

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



6.0614, 0.1526, 0.0615



7.4154, 0.1524, 0.0613



11.1234, 0.2183, 0.0976



14.6170, 0.2994, 0.3047



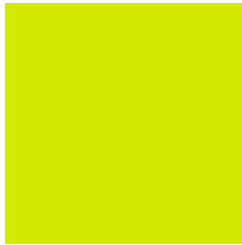
3.4585, 0.1532, 0.0618



0.2948, 0.1609, 0.0660

Previews

White Background



This preview shows how the Yxy color 72.1267, 0.4026, 0.5185 looks on a white background.

Color Contrast Check

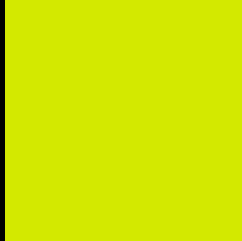
Large Text (above 18pt) WCAG AA × Fail

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 72.1267, 0.4026, 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 72.1267, 0.4026, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 72.1267, 0.4026, 0.5185.



This preview shows how white text looks on a background with the Yxy color 72.1267, 0.4026, 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

72.1267, 0.4026, 0.5185

Protanopia

71.8526, 0.4410, 0.4881

Deuteranopia

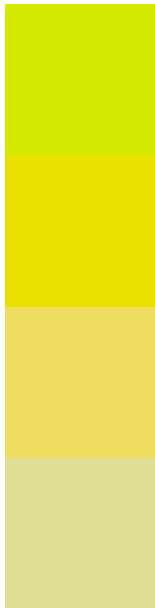
71.6530, 0.3884, 0.3917



Tritanopia

72.0602, 0.3093, 0.3110

Trichromacy



Original Color

72.1267, 0.4026, 0.5185

Protanomaly

71.5126, 0.4270, 0.4991

Deuteranomaly

70.9267, 0.4073, 0.4541

Tritanomaly

70.4749, 0.3618, 0.4117

Monochromacy



Original Color

72.1267, 0.4026, 0.5185

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

61.4566, 0.3658, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1267, 0.4026, 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(211, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 233, 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(211, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 233, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.1267, 0.4026, 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(211, 233, 0) }
```

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

```
.border{ border-color:rgb(211, 233, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 233, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 233,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1267, 0.4026, 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(211, 233, 0) }
```

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

```
.background{ background-color: rgb(211,  
233, 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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