

Converting Colors

$Yxy(76.6311, 0.3985, 0.5026)$

Have a look what the booklet for
Yxy(76.6311, 0.3985, 0.5026)
contains.

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Color

Yxy(76.6311, 0.3985, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	DCEE36
RGB	220, 238, 54
RGB Percent	86%, 93%, 21%
CMY	0.1372, 0.0667, 0.7882
CMYK	0.08, 0.00, 0.77, 0.07
HSL	66°, 84%, 57%
HSV	66°, 77%, 93%
XYZ	60.7590, 76.6311, 15.0792
YIQ	211.6420, 48.3360, -61.0400

Conversions

Conversions Part 2

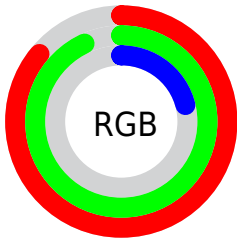
Format	Color
RYB	54, 238, 72
Decimal	14478902
CIELab	90.15, -26.83, 79.54
CIElCh	90, 83.948, 108.639
Yxy	76.6311, 0.3985, 0.5026
Android (android.graphics.Color)	4292668982 (0xFFDCEE36)
YUV	211.6420, -77.7175, 7.3300
Hunter-Lab	87.5392, -29.3006, 51.0643

Details

The Yxy color **76.6311, 0.3985, 0.5026** 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 **10.1901, 0.1743, 0.0914**, and the grayscale version is **66.0941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **41.0330, 0.3992, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **76.1024, 0.4015, 0.5124**, and if you desaturate by 10%, it is **77.2812, 0.3928, 0.4883**.

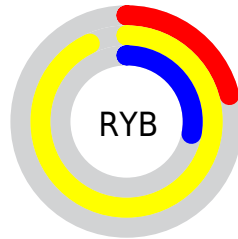
Distribution



Red (86%)

Green (93%)

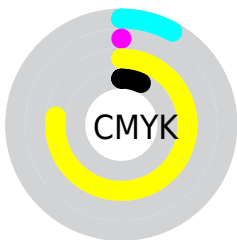
Blue (21%)



Red (21%)

Yellow (93%)

Blue (28%)

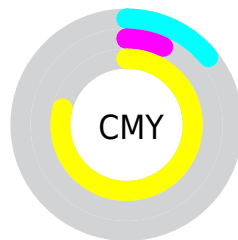


Cyan (8%)

Magenta (0%)

Yellow (77%)

Black (7%)



Cyan (14%)


Magenta (7%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6311, 0.3985, 0.5026 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 76.6311, 0.3985, 0.5026 by changing the saturation by 10% instead.

 76.6311, 0.3985,
0.5026

 76.6311, 0.3985,
0.5026


483.5053, 0.3672,
0.4256


 56.9502, 0.4027,
0.5179

 128.6186, 0.3899,
0.4775


 40.9652, 0.4063,
0.5353


 161.6940, 0.3859,
0.4672


 28.2919, 0.4083,
0.5548


 200.0029, 0.3821,
0.4581

 18.5458, 0.4078,
0.5771

 243.9298, 0.3786,
0.4500

 11.3426, 0.4005,
0.5995

 293.8592, 0.3754,
0.4429

 6.2977, 0.3810,
0.6190


350.1752, 0.3724,


 3.0270, 0.3503,


0.4365


0.6497


413.2625, 0.3697,
0.4307


 1.1458, 0.2650,
0.7350


 0.0168, 0.0000,
1.0000


 76.6311, 0.3985,
0.5026


 76.6311, 0.3985,
0.5026


 76.1024, 0.4015,
0.5124


 77.2812, 0.3928,
0.4883


 75.6661, 0.4021,
0.5179


 78.0561, 0.3847,
0.4699

 75.5572, 0.4020,
0.5190

 78.9715, 0.3743,
0.4480

 80.0379, 0.3624,
0.4239

 81.2649, 0.3494,
0.3983

 82.6611, 0.3359,
0.3724

 84.2347, 0.3224,
0.3470

 85.9932, 0.3092,
0.3226

 87.0632, 0.3044,
0.3122

Harmonies

Analogous

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



76.6311, 0.4723, 0.4467



76.6311, 0.3985, 0.5026



76.6311, 0.3081, 0.5056

Triad

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



76.6311, 0.3985, 0.5026



76.6311, 0.1503, 0.2331



76.6311, 0.3930, 0.2517

Complementary

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



76.6311, 0.3985, 0.5026



10.1901, 0.1743, 0.0914

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.



76.6311, 0.2911, 0.2079



76.6311, 0.3985, 0.5026



76.6311, 0.1647, 0.1935

Square

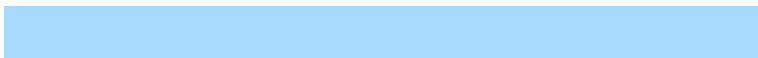
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6311, 0.3985, 0.5026



76.6311, 0.1687, 0.3147



76.6311, 0.2111, 0.1872



76.6311, 0.4783, 0.3111

Rectangle

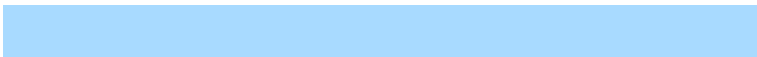
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6311, 0.3985, 0.5026



76.6311, 0.2495, 0.4606



76.6311, 0.2111, 0.1872



76.6311, 0.3584, 0.2349

Sweetspot

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



76.6346, 0.3985, 0.5026



95.7102, 0.3437, 0.3874



22.7425, 0.5709, 0.3410



20.3633, 0.3486, 0.3968



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.



76.6346, 0.3985, 0.5026



88.6881, 0.4021, 0.5162



66.2160, 0.3354, 0.5477



18.3759, 0.3253, 0.3524



42.1843, 0.4023, 0.5188



3.5319, 0.4047, 0.5169

Inverse Universe

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



10.1901, 0.1743, 0.0914



8.1199, 0.1566, 0.0663



16.4248, 0.2418, 0.1260



15.3026, 0.2995, 0.3047



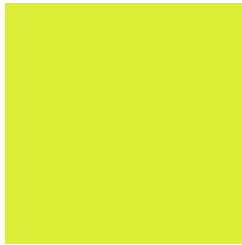
3.5720, 0.1533, 0.0618



0.3219, 0.1608, 0.0659

Previews

White Background



This preview shows how the Yxy color 76.6311, 0.3985, 0.5026 looks on a white background.

Color Contrast Check

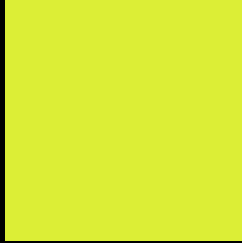
Large Text (above 18pt) WCAG AA × Fail

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 76.6311, 0.3985, 0.5026 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 76.6311, 0.3985, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 76.6311, 0.3985, 0.5026.



This preview shows how white text looks on a background with the Yxy color 76.6311, 0.3985, 0.5026.

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

76.6311, 0.3985, 0.5026

Protanopia

76.4372, 0.4332, 0.4778

Deuteranopia

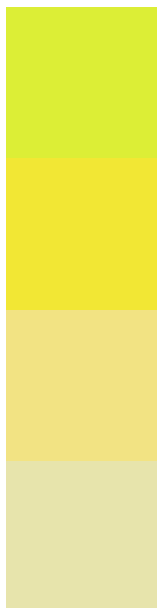
76.0680, 0.3701, 0.3762



Tritanopia

76.4791, 0.3121, 0.3115

Trichromacy



Original Color

76.6311, 0.3985, 0.5026

Protanomaly

76.2770, 0.4203, 0.4871

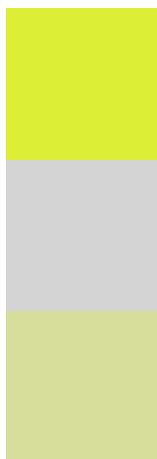
Deuteranomaly

75.4541, 0.3872, 0.4285

Tritanomaly

75.4543, 0.3520, 0.3897

Monochromacy



Original Color

76.6311, 0.3985, 0.5026

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

68.5265, 0.3530, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6311, 0.3985, 0.5026 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(220, 238, 54)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 54)  
}
```

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(220, 238, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 54) }
```

Border

The CSS property to change the border of an element to Yxy 76.6311, 0.3985, 0.5026 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(220, 238, 54) }
```

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

```
.border{ border-color:rgb(220, 238, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 54);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6311, 0.3985, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 54) }
```

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

```
.background{ background-color: rgb(220,  
238, 54) }
```

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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