

Converting Colors

Yxy(79.8039, 0.4087, 0.5116)

Have a look what the booklet for
Yxy(79.8039, 0.4087, 0.5116)
contains.

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Color

Yxy(80.0273, 0.4083, 0.5120)

Conversions

Conversions Part 1

Format	Color
Hex	E4F20D
RGB	228, 242, 13
RGB Percent	89%, 95%, 5%
CMY	0.1059, 0.0510, 0.9497
CMYK	0.06, 0.00, 0.95, 0.05
HSL	64°, 90%, 50%
HSV	64°, 95%, 95%
XYZ	63.8186, 80.0273, 12.4574
YIQ	211.7080, 65.1650, -74.1870

Conversions

Conversions Part 2

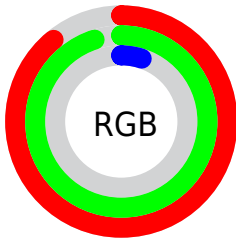
Format	Color
RYB	13, 242, 27
Decimal	15004173
CIELab	91.70, -26.38, 88.59
CIElCh	92, 92.437, 106.582
Yxy	80.0273, 0.4083, 0.5120
Android (android.graphics.Color)	4293194253 (0xFFE4F20D)
YUV	211.7080, -97.9630, 14.2881
Hunter-Lab	89.4580, -29.2109, 54.3642

Details

The Yxy color **80.0273, 0.4083, 0.5120** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.9257, 0.1538, 0.0641**, and the grayscale version is **66.2547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **43.4426, 0.4024, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **79.8744, 0.4085, 0.5138**, and if you desaturate by 10%, it is **80.3791, 0.4065, 0.5062**.

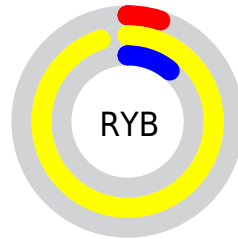
Distribution



Red (89%)

Green (95%)

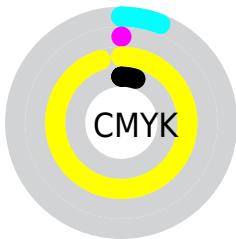
Blue (5%)



Red (5%)

Yellow (95%)

Blue (11%)

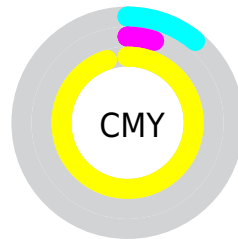


Cyan (6%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (11%)


Magenta (5%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0273, 0.4083, 0.5120 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 80.0273, 0.4083, 0.5120 by changing the saturation by 10% instead.

 80.0273, 0.4083,
0.5120

 80.0273, 0.4083,
0.5120


495.0248, 0.3750,
0.4336


 59.7408, 0.4123,
0.5267


 133.4041, 0.3996,
0.4872


 43.2098, 0.4153,
0.5428


 167.2632, 0.3954,
0.4768


 30.0497, 0.4162,
0.5601


 206.4154, 0.3914,
0.4675

 19.8763, 0.4165,
0.5823

 251.2449, 0.3876,
0.4592

 12.3052, 0.4044,
0.5956

 302.1362, 0.3841,
0.4518

 6.9519, 0.3863,
0.6137


 359.4737, 0.3808,


 3.4320, 0.3584,

0.4451

0.6416


423.6418, 0.3778,
0.4391


 1.3612, 0.3012,
0.6988


 0.1879, 0.0000,
1.0000

 80.0273, 0.4083,
0.5120


 80.0273, 0.4083,
0.5120


 79.8744, 0.4085,
0.5138


 80.3791, 0.4065,
0.5062


 80.8299, 0.4022,
0.4960


 81.4004, 0.3952,
0.4814


 82.1047, 0.3858,
0.4627

 82.9548, 0.3743,
0.4408

 83.9615, 0.3613,
0.4167

 85.1343, 0.3475,
0.3913

 86.4823, 0.3333,
0.3656

 88.0136, 0.3192,
0.3405

Harmonies

Analogous

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



80.0273, 0.4864, 0.4469



80.0273, 0.4083, 0.5120



80.0273, 0.3123, 0.5250

Triad

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



80.0273, 0.4083, 0.5120



80.0273, 0.1402, 0.2294



80.0273, 0.3916, 0.2422

Complementary

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



80.0273, 0.4083, 0.5120



6.9257, 0.1538, 0.0641

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.



80.0273, 0.2818, 0.1977



80.0273, 0.4083, 0.5120



80.0273, 0.1532, 0.1857

Square

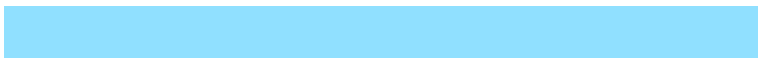
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0273, 0.4083, 0.5120



80.0273, 0.1611, 0.3199



80.0273, 0.1992, 0.1776



80.0273, 0.4875, 0.3037

Rectangle

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



80.0273, 0.4083, 0.5120



80.0273, 0.2493, 0.4806



80.0273, 0.1992, 0.1776



80.0273, 0.3539, 0.2250

Sweetspot

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



80.0310, 0.4083, 0.5120



95.4056, 0.3522, 0.4000



19.5726, 0.6297, 0.3329



20.2994, 0.3582, 0.4109



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.



80.0310, 0.4083, 0.5120



89.9427, 0.4085, 0.5139



67.2476, 0.3319, 0.5720



18.4070, 0.3259, 0.3524



42.9285, 0.4087, 0.5137



3.5860, 0.4102, 0.5125

Inverse Universe

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



6.9257, 0.1538, 0.0641



7.3266, 0.1513, 0.0607



12.1735, 0.2162, 0.0982



15.2748, 0.2989, 0.3046



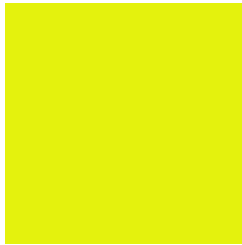
3.5166, 0.1519, 0.0610



0.3086, 0.1568, 0.0637

Previews

White Background



This preview shows how the Yxy color 80.0273, 0.4083, 0.5120 looks on a white background.

Color Contrast Check

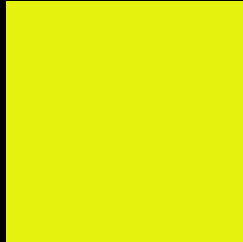
Large Text (above 18pt) WCAG AA × Fail

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 80.0273, 0.4083, 0.5120 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 80.0273, 0.4083, 0.5120

Background



This preview shows how black text looks on a background with the Yxy color 80.0273, 0.4083, 0.5120.



This preview shows how white text looks on a background with the Yxy color 80.0273, 0.4083, 0.5120.

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

80.0273, 0.4083, 0.5120

Protanopia

79.5376, 0.4070, 0.4457

Deuteranopia

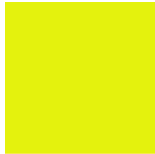
79.8723, 0.3586, 0.3677



Tritanopia

79.7340, 0.3149, 0.3109

Trichromacy



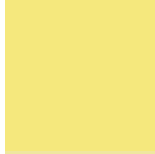
Original Color

80.0273, 0.4083, 0.5120



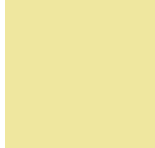
Protanomaly

79.3371, 0.4127, 0.4770



Deuteranomaly

78.6064, 0.3907, 0.4374



Tritanomaly

78.0058, 0.3657, 0.4051

Monochromacy



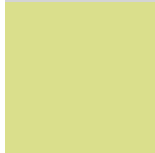
Original Color

80.0273, 0.4083, 0.5120



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.5742, 0.3645, 0.4225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0273, 0.4083, 0.5120 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(228, 242, 13)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 13)  
}
```

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(228, 242, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 13) }
```

Border

The CSS property to change the border of an element to Yxy 80.0273, 0.4083, 0.5120 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(228, 242, 13) }
```

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

```
.border{ border-color:rgb(228, 242, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 242, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 13);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0273, 0.4083, 0.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 242, 13) }
```

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

```
.background{ background-color: rgb(228,  
242, 13) }
```

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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