

Converting Colors

$Y_{xy}(80.1990, 0.4176, 0.5067)$

Have a look what the booklet for
Yxy(80.1990, 0.4176, 0.5067)
contains.

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Color

Yxy(80.3247, 0.4171, 0.5070)

Conversions

Conversions Part 1

Format	Color
Hex	EDF000
RGB	237, 240, 0
RGB Percent	93%, 94%, 0%
CMY	0.0707, 0.0588, 0.9994
CMYK	0.01, 0.00, 1.00, 0.06
HSL	61°, 100%, 47%
HSV	61°, 100%, 94%
XYZ	66.0817, 80.3247, 12.0249
YIQ	211.7430, 75.2520, -75.2760

Conversions

Conversions Part 2

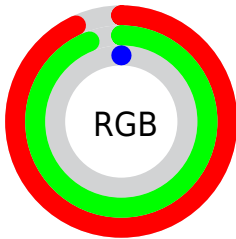
Format	Color
RYB	0, 240, 3
Decimal	15593472
CIELab	91.83, -21.84, 89.96
CIELCh	92, 92.572, 103.646
Yxy	80.3247, 0.4171, 0.5070
Android (android.graphics.Color)	4293783552 (0xFFEDF000)
YUV	211.7430, -104.3893, 22.1504
Hunter-Lab	89.6240, -25.2302, 54.7818

Details

The Yxy color **80.3247, 0.4171, 0.5070** 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 **6.3160, 0.1503, 0.0602**, and the grayscale version is **66.3412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **43.5111, 0.4118, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **80.3278, 0.4171, 0.5070**, and if you desaturate by 10%, it is **80.4469, 0.4155, 0.5037**.

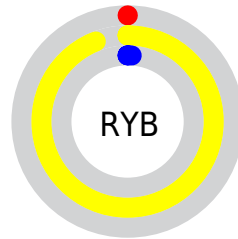
Distribution



Red (93%)

Green (94%)

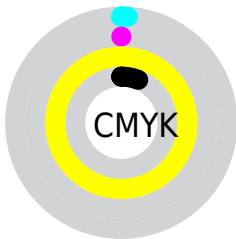
Blue (0%)



Red (0%)

Yellow (94%)

Blue (1%)

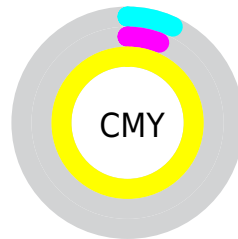


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3247, 0.4171, 0.5070 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 80.3247, 0.4171, 0.5070 by changing the saturation by 10% instead.


 80.3247, 0.4171,
0.5070

 80.3247, 0.4171,
0.5070

496.0264, 0.3800,
0.4322

 59.9856, 0.4218,
0.5206


 133.8221, 0.4072,
0.4837

 43.4070, 0.4257,
0.5353

 167.7493, 0.4024,
0.4738

 30.2046, 0.4278,
0.5508


 206.9745, 0.3980,
0.4649

 19.9939, 0.4295,
0.5705

 251.8823, 0.3938,
0.4569

 12.3906, 0.4192,
0.5808

 302.8570, 0.3899,
0.4498

 7.0103, 0.4045,
0.5955


 360.2829, 0.3864,


 3.4685, 0.3817,

0.4433


0.6183


424.5446, 0.3831,
0.4375


 1.3810, 0.3401,
0.6599


 0.2026, 0.0000,
1.0000


 80.3247, 0.4171,
0.5070


 80.3247, 0.4171,
0.5070

 80.3278, 0.4171,
0.5070

 80.4469, 0.4155,
0.5037

 80.6473, 0.4116,
0.4968

 80.9550, 0.4052,
0.4855

 81.3850, 0.3961,
0.4699

■ 81.9500, 0.3848,
0.4505

■ 82.6613, 0.3717,
0.4282

■ 83.5287, 0.3573,
0.4040

■ 84.5614, 0.3423,
0.3788

■ 85.7677, 0.3273,
0.3535

Harmonies

Analogous

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



80.3247, 0.4922, 0.4396



80.3247, 0.4171, 0.5070



80.3247, 0.3219, 0.5277

Triad

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



80.3247, 0.4171, 0.5070



80.3247, 0.1406, 0.2360



80.3247, 0.3806, 0.2370

Complementary

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



80.3247, 0.4171, 0.5070



6.3160, 0.1503, 0.0602

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.



80.3247, 0.2722, 0.1946



80.3247, 0.4171, 0.5070



80.3247, 0.1504, 0.1882

Square

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



80.3247, 0.4171, 0.5070



80.3247, 0.1652, 0.3314



80.3247, 0.1931, 0.1770



80.3247, 0.4803, 0.2972

Rectangle

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



80.3247, 0.4171, 0.5070



80.3247, 0.2581, 0.4898



80.3247, 0.1931, 0.1770



80.3247, 0.3428, 0.2204

Sweetspot

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



80.3285, 0.4171, 0.5070



95.8318, 0.3576, 0.4044



18.5310, 0.6400, 0.3300



20.4173, 0.3637, 0.4148



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.



80.3285, 0.4171, 0.5070



92.1746, 0.4171, 0.5070



66.3260, 0.3355, 0.5718



18.4483, 0.3266, 0.3523



43.9730, 0.4171, 0.5070



3.6614, 0.4174, 0.5067

Inverse Universe

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



6.3160, 0.1503, 0.0602



7.2408, 0.1503, 0.0601



10.2946, 0.2008, 0.0880



15.2383, 0.2981, 0.3046



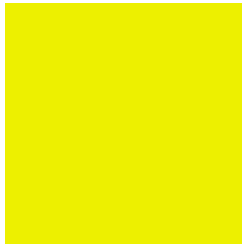
3.4589, 0.1504, 0.0602



0.2911, 0.1514, 0.0608

Previews

White Background



This preview shows how the Yxy color 80.3247, 0.4171, 0.5070 looks on a white background.

Color Contrast Check

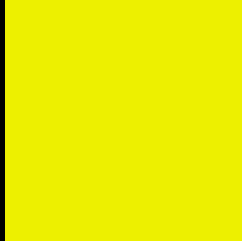
Large Text (above 18pt) WCAG AA × Fail

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 80.3247, 0.4171, 0.5070 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 80.3247, 0.4171, 0.5070

Background



This preview shows how black text looks on a background with the Yxy color 80.3247, 0.4171, 0.5070.



This preview shows how white text looks on a background with the Yxy color 80.3247, 0.4171, 0.5070.

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

80.3247, 0.4171, 0.5070

Protanopia

80.2110, 0.4038, 0.4426

Deuteranopia

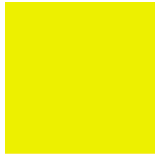
79.9159, 0.3579, 0.3667



Tritanopia

80.0089, 0.3220, 0.3112

Trichromacy



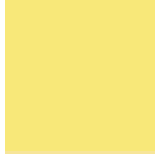
Original Color

80.3247, 0.4171, 0.5070



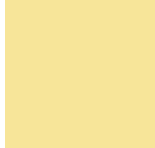
Protanomaly

79.8542, 0.4156, 0.4767



Deuteranomaly

79.0502, 0.3953, 0.4400



Tritanomaly

78.1127, 0.3763, 0.4076

Monochromacy



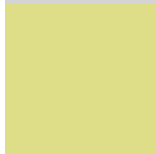
Original Color

80.3247, 0.4171, 0.5070



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.3640, 0.3705, 0.4260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3247, 0.4171, 0.5070 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(237, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 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(237, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 80.3247, 0.4171, 0.5070 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(237, 240, 0) }
```

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

```
.border{ border-color:rgb(237, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3247, 0.4171, 0.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 0) }
```

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

```
.background{ background-color: rgb(237,  
240, 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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