

Converting Colors

$Yxy(80.5908, 0.4009, 0.4390)$

Have a look what the booklet for
Yxy(80.5908, 0.4009, 0.4390)
contains.

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Color

Yxy(80.3293, 0.4011, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	FFE878
RGB	255, 232, 120
RGB Percent	100%, 91%, 47%
CMY	0.0000, 0.0902, 0.5293
CMYK	0.00, 0.09, 0.53, 0.00
HSL	50°, 100%, 74%
HSV	50°, 53%, 100%
XYZ	73.4947, 80.3293, 29.4089
YIQ	226.1090, 49.6600, -29.9560

Conversions

Conversions Part 2

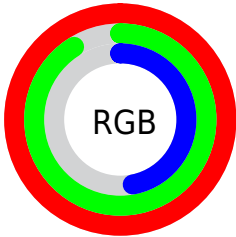
Format	Color
R_{YB}	148, 255, 120
Decimal	16771192
CIE _{Lab}	91.83, -5.87, 56.64
CIE _{LCh}	92, 56.940, 95.916
Yxy	80.3293, 0.4011, 0.4384
Android (android.graphics.Color)	4294961272 (0xFFFFE878)
YUV	226.1090, -52.3117, 25.3374
Hunter-Lab	89.6266, -10.4748, 43.2840

Details

The Yxy color **80.3293, 0.4011, 0.4384** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.8694, 0.2157, 0.1869**, and the grayscale version is **76.4955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **43.5853, 0.4170, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **77.3729, 0.4167, 0.4546**, and if you desaturate by 10%, it is **83.5094, 0.3842, 0.4195**.

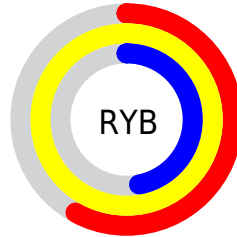
Distribution



Red (100%)

Green (91%)

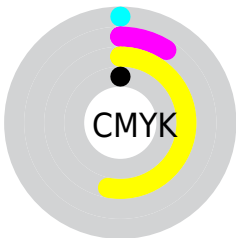
Blue (47%)



Red (58%)

Yellow (100%)

Blue (47%)

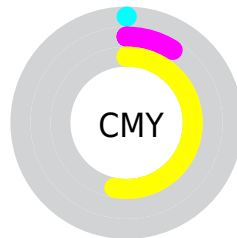


Cyan (0%)

Magenta (9%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3293, 0.4011, 0.4384 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 80.3293, 0.4011, 0.4384 by changing the saturation by 10% instead.


 80.3293, 0.4011,
0.4384


 80.3293, 0.4011,
0.4384


496.0419, 0.3633,
0.3902


 59.9894, 0.4086,
0.4483

 133.8286, 0.3888,
0.4225

 43.4101, 0.4172,
0.4600


 167.7568, 0.3838,
0.4160

 30.2070, 0.4269,
0.4736

 206.9832, 0.3794,
0.4104

 19.9958, 0.4376,
0.4893

251.8921, 0.3754,
0.4054

 12.3920, 0.4486,
0.5069

302.8681, 0.3719,
0.4010

 7.0112, 0.4657,
0.5343

360.2955, 0.3687,

 3.4691, 0.4599,

0.3970

0.5401

424.5586, 0.3659,
0.3935

■ 1.3813, 0.4499,
0.5501

■ 0.2029, 0.1963,
0.8037

■ 80.3293, 0.4011,
0.4384

■ 80.3293, 0.4011,
0.4384

■ 77.3729, 0.4167,
0.4546

■ 83.5094, 0.3842,
0.4195

■ 74.6288, 0.4304,
0.4669


■ 86.9280, 0.3668,
0.3988


■ 72.0804, 0.4414,
0.4748

■ 90.5956, 0.3495,
0.3773

■ 69.7082, 0.4495,
0.4780

■ 94.5225, 0.3328,
0.3558

 68.1180, 0.4537,
0.4779

 98.7183, 0.3171,
0.3349

100.0000, 0.3127,
0.3290

Harmonies

Analogous

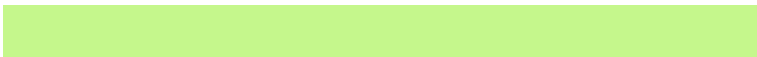
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3293, 0.4388, 0.3988



80.3293, 0.4011, 0.4384



80.3293, 0.3419, 0.4499

Triad

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



80.3293, 0.4011, 0.4384



80.3293, 0.1995, 0.2872



80.3293, 0.3387, 0.2593

Complementary

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



80.3293, 0.4011, 0.4384



30.8694, 0.2157, 0.1869

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.



80.3293, 0.2730, 0.2333



80.3293, 0.4011, 0.4384



80.3293, 0.1989, 0.2441

Square

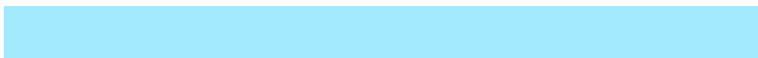
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3293, 0.4011, 0.4384



80.3293, 0.2267, 0.3523



80.3293, 0.2241, 0.2270



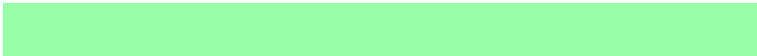
80.3293, 0.4029, 0.3002

Rectangle

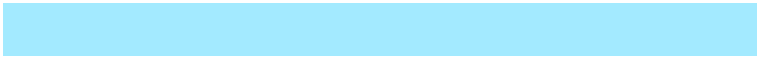
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3293, 0.4011, 0.4384



80.3293, 0.2987, 0.4332



80.3293, 0.2241, 0.2270



80.3293, 0.3158, 0.2487

Sweetspot

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



80.3285, 0.4011, 0.4384



93.2887, 0.3379, 0.3624



36.7371, 0.4392, 0.3042



19.7936, 0.3413, 0.3668



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

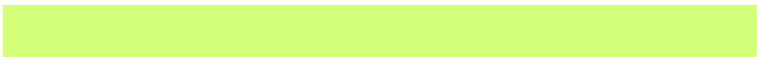
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3285, 0.4011, 0.4384



77.0695, 0.4183, 0.4561



86.9123, 0.3601, 0.4715



20.5328, 0.3273, 0.3486



35.7869, 0.4531, 0.4785



3.6174, 0.4485, 0.4820

Inverse Universe

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



30.8694, 0.2157, 0.1869



22.8252, 0.1948, 0.1528



28.4220, 0.2396, 0.1710



17.8779, 0.2979, 0.3087



4.8379, 0.1541, 0.0748



0.6036, 0.1591, 0.0926

Previews

White Background



This preview shows how the Yxy color 80.3293, 0.4011, 0.4384 looks on a white background.

Color Contrast Check

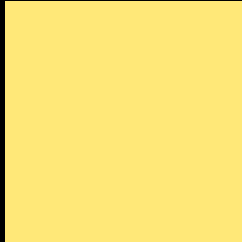
Large Text (above 18pt) WCAG AA × Fail

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 80.3293, 0.4011, 0.4384 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 80.3293, 0.4011, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 80.3293, 0.4011, 0.4384.



This preview shows how white text looks on a background with the Yxy color 80.3293, 0.4011, 0.4384.

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

80.3293, 0.4011, 0.4384

Protanopia

80.4285, 0.3988, 0.4351

Deuteranopia

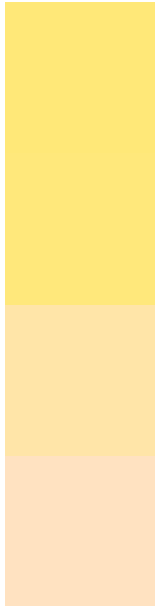
80.1383, 0.3544, 0.3615



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.3293, 0.4011, 0.4384

Protanomaly

80.4033, 0.3994, 0.4359

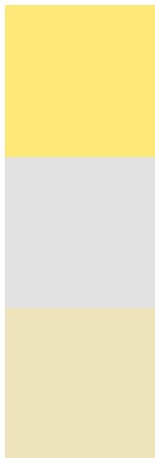
Deuteranomaly

80.1258, 0.3724, 0.3910

Tritanomaly

79.5030, 0.3560, 0.3626

Monochromacy



Original Color

80.3293, 0.4011, 0.4384

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.0792, 0.3464, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3293, 0.4011, 0.4384 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(255, 232, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 120)  
}
```

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(255, 232, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 120) }
```

Border

The CSS property to change the border of an element to Yxy 80.3293, 0.4011, 0.4384 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(255, 232, 120) }
```

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

```
.border{ border-color:rgb(255, 232, 120) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3293, 0.4011, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 120) }
```

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

```
.background{ background-color: rgb(255,  
232, 120) }
```

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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