

Converting Colors

$Yxy(80.7077, 0.4049, 0.4458)$

Have a look what the booklet for
Yxy(80.7077, 0.4049, 0.4458)
contains.

Yxy(80.7077, 0.4049, 0.4458)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7077, 0.4049, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	FFE970
RGB	255, 233, 112
RGB Percent	100%, 91%, 44%
CMY	0.0000, 0.0862, 0.5610
CMYK	0.00, 0.09, 0.56, 0.00
HSL	51°, 100%, 72%
HSV	51°, 56%, 100%
XYZ	73.3032, 80.7077, 27.0293
YIQ	225.7840, 51.9530, -32.9670

Conversions

Conversions Part 2

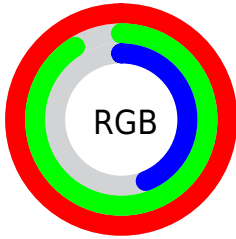
Format	Color
R_{YB}	138, 255, 112
Decimal	16771440
CIE Lab	92.00, -7.00, 60.51
CIE LCh	92, 60.917, 96.595
Yxy	80.7077, 0.4049, 0.4458
Android (android.graphics.Color)	4294961520 (0xFFFFE970)
YUV	225.7840, -56.0955, 25.6224
Hunter-Lab	89.8375, -11.5679, 45.0477

Details

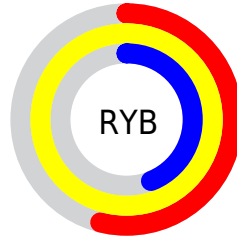
The Yxy color **80.7077, 0.4049, 0.4458** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.6972, 0.2089, 0.1740**, and the grayscale version is **76.2722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **43.8820, 0.4209, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **78.0254, 0.4194, 0.4611**, and if you desaturate by 10%, it is **83.6054, 0.3888, 0.4274**.

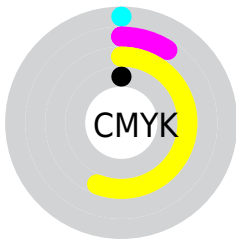
Distribution



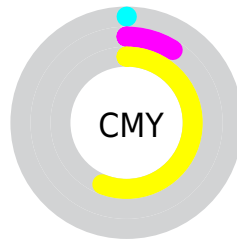
- Red (100%)
- Green (91%)
- Blue (44%)



- Red (54%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7077, 0.4049, 0.4458 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 80.7077, 0.4049, 0.4458 by changing the saturation by 10% instead.


 80.7077, 0.4049,
0.4458

 80.7077, 0.4049,
0.4458


497.3146, 0.3660,
0.3947

 60.3009, 0.4124,
0.4562


 134.3603, 0.3924,
0.4290

 43.6612, 0.4209,
0.4683

 168.3748, 0.3873,
0.4222

 30.4043, 0.4304,
0.4823


 207.6941, 0.3827,
0.4162

 20.1456, 0.4404,
0.4982

252.7024, 0.3786,
0.4109

 12.5009, 0.4501,
0.5156

303.7842, 0.3749,
0.4061

 7.0858, 0.4616,
0.5384

361.3240, 0.3716,

 3.5158, 0.4547,

0.4019

0.5453

425.7060, 0.3687,
0.3981

■ 1.4066, 0.4428,
0.5572

■ 0.2216, 0.1523,
0.8477

■ 80.7077, 0.4049,
0.4458

■ 80.7077, 0.4049,
0.4458

■ 78.0254, 0.4194,
0.4611

■ 83.6054, 0.3888,
0.4274

■ 75.5362, 0.4317,
0.4723


■ 86.7232, 0.3718,
0.4068


■ 73.2262, 0.4413,
0.4789

■ 90.0752, 0.3547,
0.3851

■ 71.0747, 0.4479,
0.4809

■ 93.6720, 0.3379,
0.3632

 70.2660, 0.4500,
0.4809

 97.5232, 0.3220,
0.3417

100.0000, 0.3127,
0.3290

Harmonies

Analogous

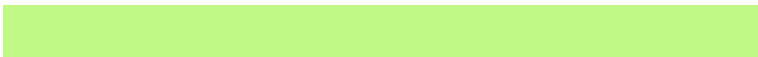
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7077, 0.4462, 0.4033



80.7077, 0.4049, 0.4458



80.7077, 0.3415, 0.4584

Triad

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



80.7077, 0.4049, 0.4458



80.7077, 0.1925, 0.2825



80.7077, 0.3419, 0.2560

Complementary

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



80.7077, 0.4049, 0.4458



27.6972, 0.2089, 0.1740

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.



80.7077, 0.2717, 0.2282



80.7077, 0.4049, 0.4458



80.7077, 0.1927, 0.2379

Square

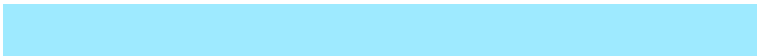
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7077, 0.4049, 0.4458



80.7077, 0.2202, 0.3518



80.7077, 0.2196, 0.2209



80.7077, 0.4103, 0.2992

Rectangle

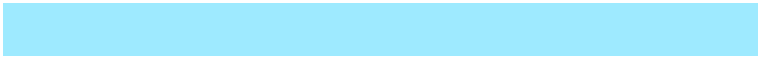
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7077, 0.4049, 0.4458



80.7077, 0.2957, 0.4402



80.7077, 0.2196, 0.2209



80.7077, 0.3174, 0.2447

Sweetspot

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



80.7103, 0.4049, 0.4458



93.3367, 0.3394, 0.3652



34.6098, 0.4544, 0.3056



19.8199, 0.3427, 0.3696



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.



80.7103, 0.4049, 0.4458



77.7927, 0.4207, 0.4623



86.0000, 0.3603, 0.4804



20.5868, 0.3273, 0.3490



36.8950, 0.4494, 0.4814



3.7152, 0.4454, 0.4846

Inverse Universe

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



27.6972, 0.2089, 0.1740



20.3541, 0.1888, 0.1406



26.2342, 0.2360, 0.1618



17.8285, 0.2979, 0.3082



4.6713, 0.1535, 0.0726



0.5801, 0.1582, 0.0896

Previews

White Background



This preview shows how the Yxy color 80.7077, 0.4049, 0.4458 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 80.7077, 0.4049, 0.4458 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 80.7077, 0.4049, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 80.7077, 0.4049, 0.4458.

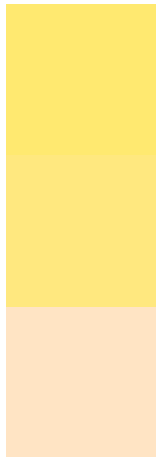


This preview shows how white text looks on a background with the Yxy color 80.7077, 0.4049, 0.4458.

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

80.7077, 0.4049, 0.4458

Protanopia

80.5055, 0.3971, 0.4325

Deuteranopia

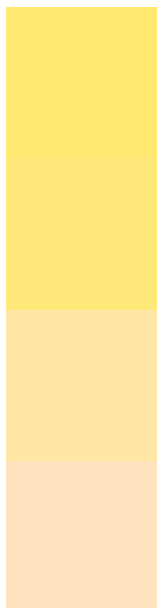
80.7323, 0.3535, 0.3615



Tritanopia

80.5695, 0.3273, 0.3182

Trichromacy



Original Color

80.7077, 0.4049, 0.4458

Protanomaly

80.3784, 0.4000, 0.4368

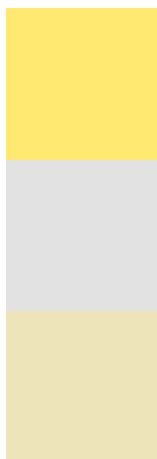
Deuteranomaly

80.5702, 0.3741, 0.3949

Tritanomaly

79.9159, 0.3579, 0.3667

Monochromacy



Original Color

80.7077, 0.4049, 0.4458

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.5459, 0.3475, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7077, 0.4049, 0.4458 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, 233, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 112)  
}
```

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, 233, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 112) }
```

Border

The CSS property to change the border of an element to Yxy 80.7077, 0.4049, 0.4458 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, 233, 112) }
```

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

```
.border{ border-color:rgb(255, 233, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7077, 0.4049, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 112) }
```

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

```
.background{ background-color: rgb(255,  
233, 112) }
```

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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