

Converting Colors

$Yxy(81.3098, 0.4203, 0.4730)$

Have a look what the booklet for
Yxy(81.3098, 0.4203, 0.4730)
contains.

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Color

Yxy(81.1711, 0.4204, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB4A
RGB	255, 235, 74
RGB Percent	100%, 92%, 29%
CMY	0.0001, 0.0784, 0.7099
CMYK	0.00, 0.08, 0.71, 0.00
HSL	53°, 100%, 64%
HSV	53°, 71%, 100%
XYZ	72.1750, 81.1711, 18.3356
YIQ	222.6260, 63.6010, -45.8310

Conversions

Conversions Part 2

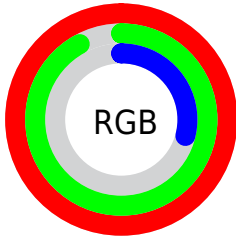
Format	Color
R _Y B	96, 255, 74
Decimal	16771914
CIE Lab	92.21, -10.25, 76.12
CIE LCh	92, 76.808, 97.669
Yxy	81.1711, 0.4204, 0.4728
Android (android.graphics.Color)	4294961994 (0xFFFFE84A)
YUV	222.6260, -73.2726, 28.3920
Hunter-Lab	90.0950, -14.6702, 51.0002

Details

The Yxy color **81.1711, 0.4204, 0.4728** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **16.6636, 0.1801, 0.1207**, and the grayscale version is **74.0062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **44.1119, 0.4326, 0.4947** is the 20% darker color. If you saturate the color by 10%, you get **79.3015, 0.4299, 0.4823**, and if you desaturate by 10%, it is **83.2129, 0.4083, 0.4589**.

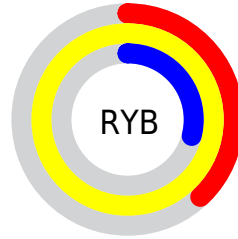
Distribution



Red (100%)

Green (92%)

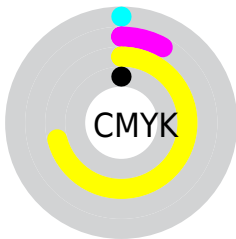
Blue (29%)



Red (38%)

Yellow (100%)

Blue (29%)

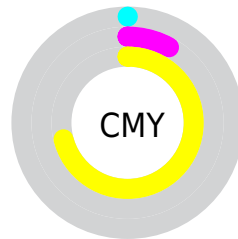


Cyan (0%)

Magenta (8%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1711, 0.4204, 0.4728 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 81.1711, 0.4204, 0.4728 by changing the saturation by 10% instead.


 81.1711, 0.4204,
0.4728


 81.1711, 0.4204,
0.4728


498.8708, 0.3776,
0.4119


 60.6825, 0.4277,
0.4843


 135.0110, 0.4074,
0.4534


 43.9690, 0.4354,
0.4972


 169.1311, 0.4018,
0.4453


 30.6461, 0.4429,
0.5112


 208.5638, 0.3967,
0.4382

 20.3295, 0.4492,
0.5257

 253.6936, 0.3921,
0.4317

 12.6348, 0.4561,
0.5439

 304.9048, 0.3879,
0.4260

 7.1776, 0.4495,
0.5505

362.5818, 0.3842,

 3.5734, 0.4394,

0.4208

0.5606

427.1090, 0.3807,
0.4161

■ 1.4379, 0.4219,
0.5781

■ 0.2444, 0.0000,
1.0000

■ 81.1711, 0.4204,
0.4728

■ 81.1711, 0.4204,
0.4728

■ 79.3015, 0.4299,
0.4823

■ 83.2129, 0.4083,
0.4589

■ 77.5745, 0.4366,
0.4873

■ 85.4306, 0.3941,
0.4414

■ 76.1183, 0.4405,
0.4884

■ 87.8411, 0.3784,
0.4210

■ 90.4563, 0.3621,
0.3989

93.2869, 0.3456,
0.3761

96.3429, 0.3295,
0.3533

99.6334, 0.3142,
0.3311

99.9940, 0.3127,
0.3290

Harmonies

Analogous

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



81.1711, 0.4754, 0.4169



81.1711, 0.4204, 0.4728



81.1711, 0.3414, 0.4938

Triad

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



81.1711, 0.4204, 0.4728



81.1711, 0.1663, 0.2660



81.1711, 0.3514, 0.2416

Complementary

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



81.1711, 0.4204, 0.4728



16.6636, 0.1801, 0.1207

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.



81.1711, 0.2637, 0.2081



81.1711, 0.4204, 0.4728



81.1711, 0.1684, 0.2151

Square

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



81.1711, 0.4204, 0.4728



81.1711, 0.1964, 0.3527



81.1711, 0.2007, 0.1979



81.1711, 0.4380, 0.2928

Rectangle

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



81.1711, 0.4204, 0.4728



81.1711, 0.2856, 0.4711



81.1711, 0.2007, 0.1979



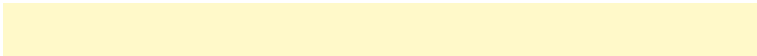
81.1711, 0.3206, 0.2282

Sweetspot

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



81.1749, 0.4204, 0.4728



93.3099, 0.3456, 0.3761



26.9752, 0.5297, 0.3123



19.8001, 0.3501, 0.3825



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.



81.1749, 0.4204, 0.4728



78.6144, 0.4330, 0.4848



82.3811, 0.3596, 0.5185



20.7285, 0.3272, 0.3500



39.9219, 0.4402, 0.4887



3.9806, 0.4375, 0.4909

Inverse Universe

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



16.6636, 0.1801, 0.1207



11.0975, 0.1617, 0.0871



17.9825, 0.2180, 0.1230



17.6999, 0.2979, 0.3072



4.3119, 0.1521, 0.0676



0.5199, 0.1560, 0.0815

Previews

White Background



This preview shows how the Yxy color 81.1711, 0.4204, 0.4728 looks on a white background.

Color Contrast Check

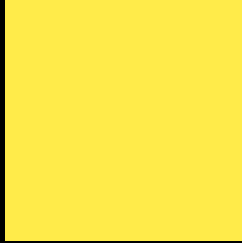
Large Text (above 18pt) WCAG AA × Fail

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 81.1711, 0.4204, 0.4728 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 81.1711, 0.4204, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 81.1711, 0.4204, 0.4728.



This preview shows how white text looks on a background with the Yxy color 81.1711, 0.4204, 0.4728.

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

81.1711, 0.4204, 0.4728

Protanopia

81.1228, 0.3955, 0.4316

Deuteranopia

81.2388, 0.3540, 0.3635



Tritanopia

81.1086, 0.3272, 0.3192

Trichromacy



Original Color

81.1711, 0.4204, 0.4728



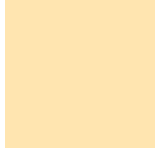
Protanomaly

81.2098, 0.4059, 0.4489



Deuteranomaly

80.6462, 0.3829, 0.4095



Tritanomaly

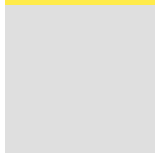
80.4332, 0.3670, 0.3829

Monochromacy



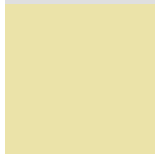
Original Color

81.1711, 0.4204, 0.4728



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.4649, 0.3573, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1711, 0.4204, 0.4728 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, 235, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 74)  
}
```

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, 235, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 74) }
```

Border

The CSS property to change the border of an element to Yxy 81.1711, 0.4204, 0.4728 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, 235, 74) }
```

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

```
.border{ border-color:rgb(255, 235, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1711, 0.4204, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 74) }
```

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

```
.background{ background-color: rgb(255,  
235, 74) }
```

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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