

Converting Colors

Yxy(84.9413, 0.4284, 0.4980)

Have a look what the booklet for
Yxy(84.9413, 0.4284, 0.4980)
contains.

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Color

Yxy(84.7643, 0.4287, 0.4978)

Conversions

Conversions Part 1

Format	Color
Hex	FFF200
RGB	255, 242, 0
RGB Percent	100%, 95%, 0%
CMY	0.0000, 0.0510, 0.9996
CMYK	0.00, 0.05, 1.00, 0.00
HSL	57°, 100%, 50%
HSV	57°, 100%, 100%
XYZ	72.9981, 84.7643, 12.5154
YIQ	218.2990, 85.4300, -72.5060

Conversions

Conversions Part 2

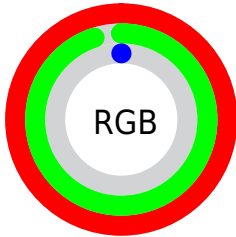
Format	Color
R _Y B	14, 255, 0
Decimal	16773632
CIE _{Lab}	93.78, -15.31, 92.04
CIE _{LCh}	94, 93.299, 99.442
Y _{xy}	84.7643, 0.4287, 0.4978
Android (android.graphics.Color)	4294963712 (0xFFFFF200)
Y _{UV}	218.2990, -107.6214, 32.1868
Hunter-Lab	92.0675, -19.5899, 56.3875

Details

The Yxy color **84.7643, 0.4287, 0.4978** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.5109, 0.1506, 0.0622**, and the grayscale version is **71.0497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **46.4553, 0.4258, 0.5001** is the 20% darker color. If you saturate the color by 10%, you get **84.7614, 0.4287, 0.4978**, and if you desaturate by 10%, it is **85.6140, 0.4258, 0.4955**.

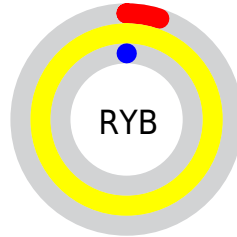
Distribution



Red (100%)

Green (95%)

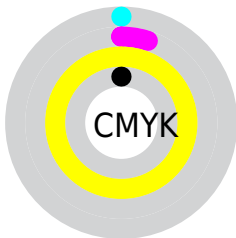
Blue (0%)



Red (5%)

Yellow (100%)

Blue (0%)

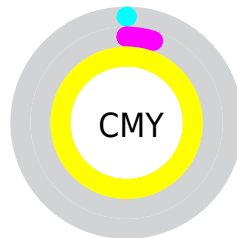


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7643, 0.4287, 0.4978 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 84.7643, 0.4287, 0.4978 by changing the saturation by 10% instead.

 84.7643, 0.4287,
0.4978


 84.7643, 0.4287,
0.4978


510.8478, 0.3867,
0.4293


 63.6466, 0.4345,
0.5097


 140.0438, 0.4171,
0.4769


 46.3645, 0.4398,
0.5223


 174.9745, 0.4117,
0.4679


 32.5336, 0.4437,
0.5352


 215.2783, 0.4067,
0.4598

 21.7694, 0.4478,
0.5510

 261.3396, 0.4020,
0.4525

 13.6875, 0.4416,
0.5584

 313.5428, 0.3977,
0.4458

 7.9037, 0.4322,
0.5678

 372.2723, 0.3937,

 4.0334, 0.4179,

0.4398

0.5821

437.9125, 0.3901,
0.4343

■ 1.6922, 0.3937,
0.6063

■ 0.4186, 0.0548,
0.9452

■ 84.7643, 0.4287,
0.4978

■ 84.7643, 0.4287,
0.4978


■ 84.7614, 0.4287,
0.4978


■ 85.6140, 0.4258,
0.4955


■ 86.5635, 0.4205,
0.4894


■ 87.6418, 0.4125,
0.4789


■ 88.8663, 0.4019,
0.4640

 90.2521, 0.3890,
0.4454

 91.8118, 0.3746,
0.4240

 93.5573, 0.3592,
0.4007

 95.4989, 0.3434,
0.3765

 97.6465, 0.3277,
0.3524

Harmonies

Analogous

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



84.7643, 0.4983, 0.4288



84.7643, 0.4287, 0.4978



84.7643, 0.3357, 0.5278

Triad

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



84.7643, 0.4287, 0.4978



84.7643, 0.1432, 0.2472



84.7643, 0.3643, 0.2305

Complementary

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



84.7643, 0.4287, 0.4978



7.5109, 0.1506, 0.0622

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.



84.7643, 0.2594, 0.1916



84.7643, 0.4287, 0.4978



84.7643, 0.1484, 0.1936

Square

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



84.7643, 0.4287, 0.4978



84.7643, 0.1730, 0.3482



84.7643, 0.1861, 0.1779



84.7643, 0.4675, 0.2886

Rectangle

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



84.7643, 0.4287, 0.4978



84.7643, 0.2717, 0.4995



84.7643, 0.1861, 0.1779



84.7643, 0.3271, 0.2150

Sweetspot

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



84.7645, 0.4287, 0.4978



93.5504, 0.3592, 0.4008



21.3028, 0.6349, 0.3272



19.8612, 0.3658, 0.4107



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.



84.7645, 0.4287, 0.4978



84.7614, 0.4287, 0.4978



77.4983, 0.3449, 0.5644



20.9225, 0.3270, 0.3513



44.3588, 0.4285, 0.4980



4.3659, 0.4274, 0.4989

Inverse Universe

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



7.5109, 0.1506, 0.0622



7.5080, 0.1506, 0.0622



10.5727, 0.1882, 0.0810



17.5262, 0.2978, 0.3057



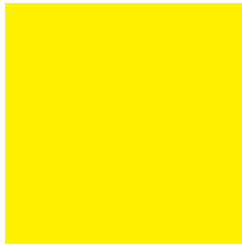
3.9843, 0.1509, 0.0630



0.4379, 0.1528, 0.0702

Previews

White Background



This preview shows how the Yxy color 84.7643, 0.4287, 0.4978 looks on a white background.

Color Contrast Check

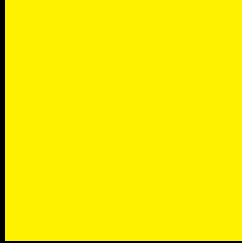
Large Text (above 18pt) WCAG AA × Fail

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 84.7643, 0.4287, 0.4978 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 84.7643, 0.4287, 0.4978

Background



This preview shows how black text looks on a background with the Yxy color 84.7643, 0.4287, 0.4978.



This preview shows how white text looks on a background with the Yxy color 84.7643, 0.4287, 0.4978.

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

84.7643, 0.4287, 0.4978

Protanopia

84.4016, 0.3743, 0.4053

Deuteranopia

84.6106, 0.3448, 0.3561



Tritanopia

84.7031, 0.3234, 0.3202

Trichromacy



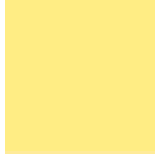
Original Color

84.7643, 0.4287, 0.4978



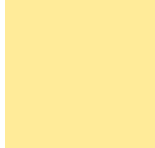
Protanomaly

83.9523, 0.4065, 0.4580



Deuteranomaly

83.4943, 0.3919, 0.4323



Tritanomaly

82.9766, 0.3801, 0.4112

Monochromacy



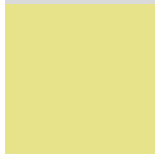
Original Color

84.7643, 0.4287, 0.4978



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.7912, 0.3738, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7643, 0.4287, 0.4978 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, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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(255, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 84.7643, 0.4287, 0.4978 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, 242, 0) }
```

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

```
.border{ border-color:rgb(255, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7643, 0.4287, 0.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 0) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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