

Converting Colors

$Y_{xy}(81.3540, 0.4283, 0.4864)$

Have a look what the booklet for
Yxy(81.3540, 0.4283, 0.4864)
contains.

| | |
|--|----|
| Yxy(81.4328, 0.4281, 0.4863) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(81.4328, 0.4281, 0.4863)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFEC2C |
| RGB | 255, 236, 44 |
| RGB Percent | 100%, 93%, 17% |
| CMY | 0.0001, 0.0745, 0.8270 |
| CMYK | 0.00, 0.07, 0.83, 0.00 |
| HSL | 55°, 100%, 59% |
| HSV | 55°, 83%, 100% |
| XYZ | 71.6870, 81.4328, 14.3340 |
| YIQ | 219.7930, 72.9560, -55.6840 |

Conversions

Conversions Part 2

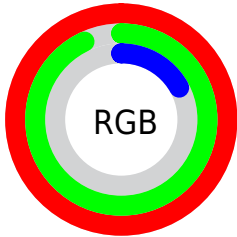
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 65, 255, 44 |
| Decimal | 16772140 |
| CIE Lab | 92.32, -11.78, 85.02 |
| CIE LCh | 92, 85.836, 97.889 |
| Yxy | 81.4328, 0.4281, 0.4863 |
| Android (android.graphics.Color) | 4294962220 (0xFFFFE2C) |
| YUV | 219.7930, -86.6659, 30.8765 |
| Hunter-Lab | 90.2401, -16.1194, 53.7503 |

Details

The Yxy color **81.4328, 0.4281, 0.4863** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.3226, 0.1632, 0.0885**, and the grayscale version is **72.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **44.5171, 0.4316, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **79.9870, 0.4337, 0.4907**, and if you desaturate by 10%, it is **83.0209, 0.4197, 0.4773**.

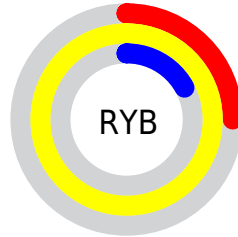
Distribution



Red (100%)

Green (93%)

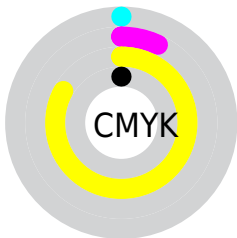
Blue (17%)



Red (25%)

Yellow (100%)

Blue (17%)

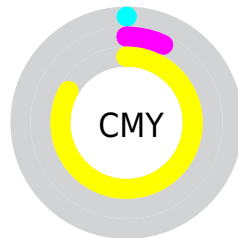


Cyan (0%)

Magenta (7%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4328, 0.4281, 0.4863 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 81.4328, 0.4281, 0.4863 by changing the saturation by 10% instead.


 81.4328, 0.4281,
0.4863


 81.4328, 0.4281,
0.4863


499.7484, 0.3841,
0.4213

 60.8981, 0.4349,
0.4979


 135.3783, 0.4154,
0.4662


 44.1429, 0.4416,
0.5105


 169.5579, 0.4096,
0.4576


 30.7829, 0.4474,
0.5236


 209.0546, 0.4044,
0.4499

 20.4336, 0.4524,
0.5380

 254.2528, 0.3996,
0.4430

 12.7106, 0.4515,
0.5485

 305.5369, 0.3952,
0.4367

 7.2296, 0.4439,
0.5561

363.2913, 0.3912,

 3.6061, 0.4322,

0.4311

0.5678

427.9003, 0.3875,
0.4260

■ 1.4558, 0.4121,
0.5879

■ 0.2573, 0.0000,
1.0000

■ 81.4328, 0.4281,
0.4863

■ 81.4328, 0.4281,
0.4863

■ 79.9870, 0.4337,
0.4907

■ 83.0209, 0.4197,
0.4773

■ 78.9930, 0.4364,
0.4917

■ 84.7585, 0.4086,
0.4640

■ 86.6649, 0.3953,
0.4467

■ 88.7536, 0.3803,
0.4265

91.0365, 0.3644,
0.4043

93.5245, 0.3482,
0.3811

96.2276, 0.3321,
0.3578

99.1550, 0.3167,
0.3350

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



81.4328, 0.4906, 0.4223



81.4328, 0.4281, 0.4863



81.4328, 0.3411, 0.5140

Triad

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



81.4328, 0.4281, 0.4863



81.4328, 0.1527, 0.2571



81.4328, 0.3559, 0.2336

Complementary

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



81.4328, 0.4281, 0.4863



11.3226, 0.1632, 0.0885

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.



81.4328, 0.2586, 0.1974



81.4328, 0.4281, 0.4863



81.4328, 0.1557, 0.2032

Square

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



81.4328, 0.4281, 0.4863



81.4328, 0.1839, 0.3536



81.4328, 0.1904, 0.1859



81.4328, 0.4530, 0.2886

Rectangle

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



81.4328, 0.4281, 0.4863



81.4328, 0.2801, 0.4897



81.4328, 0.1904, 0.1859



81.4328, 0.3214, 0.2191

Sweetspot

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



81.4367, 0.4281, 0.4863



92.9477, 0.3519, 0.3865



23.4513, 0.5837, 0.3176



19.7060, 0.3576, 0.3947



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.



81.4367, 0.4281, 0.4863



79.1410, 0.4360, 0.4916



80.3084, 0.3568, 0.5414



20.7947, 0.3271, 0.3504



41.3978, 0.4361, 0.4920



4.1092, 0.4339, 0.4937

Inverse Universe

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



11.3226, 0.1632, 0.0885



7.9430, 0.1517, 0.0653



13.6551, 0.2033, 0.0994



17.6404, 0.2979, 0.3066



4.1799, 0.1516, 0.0658



0.4918, 0.1549, 0.0777

Previews

White Background



This preview shows how the Yxy color 81.4328, 0.4281, 0.4863 looks on a white background.

Color Contrast Check

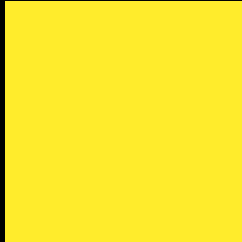
Large Text (above 18pt) WCAG AA × Fail

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 81.4328, 0.4281, 0.4863 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 81.4328, 0.4281, 0.4863

Background



This preview shows how black text looks on a background with the Yxy color 81.4328, 0.4281, 0.4863.



This preview shows how white text looks on a background with the Yxy color 81.4328, 0.4281, 0.4863.

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

81.4328, 0.4281, 0.4863

Protanopia

81.1495, 0.3949, 0.4307

Deuteranopia

81.2388, 0.3540, 0.3635



Tritanopia

81.1086, 0.3272, 0.3192

Trichromacy



Original Color

81.4328, 0.4281, 0.4863



Protanomaly

81.0065, 0.4107, 0.4563



Deuteranomaly

80.8667, 0.3894, 0.4208



Tritanomaly

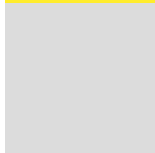
80.0518, 0.3738, 0.3930

Monochromacy



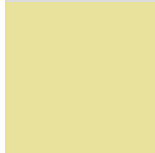
Original Color

81.4328, 0.4281, 0.4863



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.1167, 0.3647, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4328, 0.4281, 0.4863 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, 236, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 44)  
}
```

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, 236, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 44) }
```

Border

The CSS property to change the border of an element to Yxy 81.4328, 0.4281, 0.4863 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, 236, 44) }
```

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

```
.border{ border-color:rgb(255, 236, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4328, 0.4281, 0.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 44) }
```

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

```
.background{ background-color: rgb(255,  
236, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor