

Converting Colors

Yxy(80.4631, 0.4299, 0.4860)

Have a look what the booklet for
Yxy(80.4631, 0.4299, 0.4860)
contains.

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Color

Yxy(80.2728, 0.4300, 0.4856)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA2A
RGB	255, 234, 42
RGB Percent	100%, 92%, 16%
CMY	0.0000, 0.0823, 0.8347
CMYK	0.00, 0.08, 0.83, 0.00
HSL	54°, 100%, 58%
HSV	54°, 83%, 100%
XYZ	71.0818, 80.2728, 13.9519
YIQ	218.3910, 74.1480, -55.2600

Conversions

Conversions Part 2

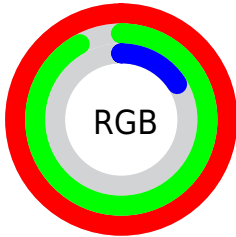
Format	Color
R _{YB}	65, 255, 42
Decimal	16771626
CIE Lab	91.81, -10.84, 85.04
CIE LCh	92, 85.733, 97.263
Yxy	80.2728, 0.4300, 0.4856
Android (android.graphics.Color)	4294961706 (0xFFFFEA2A)
YUV	218.3910, -86.9608, 32.1061
Hunter-Lab	89.5951, -15.1754, 53.4838

Details

The Yxy color **80.2728, 0.4300, 0.4856** 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 **11.2862, 0.1628, 0.0883**, and the grayscale version is **70.9831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **43.7095, 0.4336, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **78.7260, 0.4356, 0.4896**, and if you desaturate by 10%, it is **81.9636, 0.4215, 0.4771**.

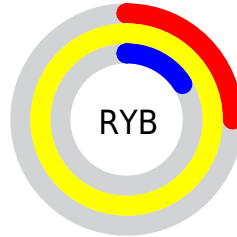
Distribution



Red (100%)

Green (92%)

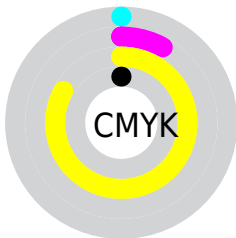
Blue (16%)



Red (25%)

Yellow (100%)

Blue (16%)

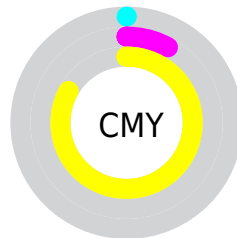


Cyan (0%)

Magenta (8%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2728, 0.4300, 0.4856 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 80.2728, 0.4300, 0.4856 by changing the saturation by 10% instead.


 80.2728, 0.4300,
0.4856

 80.2728, 0.4300,
0.4856


495.8517, 0.3851,
0.4210

 59.9429, 0.4370,
0.4971

 133.7492, 0.4170,
0.4656


 43.3726, 0.4438,
0.5095


 167.6645, 0.4111,
0.4571


 30.1776, 0.4498,
0.5223


 206.8770, 0.4058,
0.4495

 19.9734, 0.4554,
0.5366

 251.7711, 0.4009,
0.4426

 12.3757, 0.4541,
0.5459

 302.7312, 0.3964,
0.4364

 7.0001, 0.4470,
0.5530

360.1418, 0.3923,

 3.4622, 0.4360,

0.4308

0.5640

424.3871, 0.3885,
0.4257

■ 1.3775, 0.4170,
0.5830

■ 0.2001, 0.0000,
1.0000

■ 80.2728, 0.4300,
0.4856

■ 80.2728, 0.4300,
0.4856

■ 78.7260, 0.4356,
0.4896

■ 81.9636, 0.4215,
0.4771


■ 77.7689, 0.4381,
0.4903


■ 83.8060, 0.4104,
0.4641

■ 85.8195, 0.3969,
0.4473

■ 88.0177, 0.3819,
0.4273

 90.4128, 0.3659,
0.4054

 93.0156, 0.3495,
0.3824

 95.8362, 0.3334,
0.3593

 98.8840, 0.3179,
0.3366

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



80.2728, 0.4920, 0.4210



80.2728, 0.4300, 0.4856



80.2728, 0.3430, 0.5149

Triad

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



80.2728, 0.4300, 0.4856



80.2728, 0.1525, 0.2584



80.2728, 0.3538, 0.2323

Complementary

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



80.2728, 0.4300, 0.4856



11.2862, 0.1628, 0.0883

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.



80.2728, 0.2567, 0.1965



80.2728, 0.4300, 0.4856



80.2728, 0.1549, 0.2035

Square

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



80.2728, 0.4300, 0.4856



80.2728, 0.1845, 0.3560



80.2728, 0.1890, 0.1855



80.2728, 0.4518, 0.2871

Rectangle

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



80.2728, 0.4300, 0.4856



80.2728, 0.2818, 0.4918



80.2728, 0.1890, 0.1855



80.2728, 0.3193, 0.2179

Sweetspot

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



80.2766, 0.4300, 0.4856



92.6069, 0.3520, 0.3860



23.2899, 0.5866, 0.3179



19.6232, 0.3578, 0.3941



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.



80.2766, 0.4300, 0.4856



77.7721, 0.4381, 0.4903



80.2156, 0.3566, 0.5425



20.7664, 0.3272, 0.3502



40.7626, 0.4378, 0.4906



4.0539, 0.4354, 0.4925

Inverse Universe

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



11.2862, 0.1628, 0.0883



7.9215, 0.1515, 0.0652



13.4210, 0.2023, 0.0981



17.6658, 0.2979, 0.3069



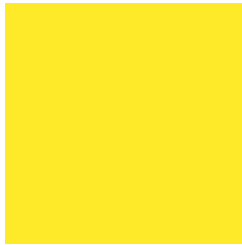
4.2336, 0.1518, 0.0665



0.5038, 0.1554, 0.0794

Previews

White Background



This preview shows how the Yxy color 80.2728, 0.4300, 0.4856 looks on a white background.

Color Contrast Check

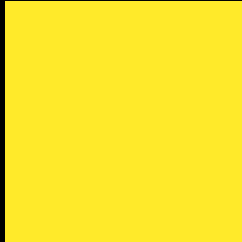
Large Text (above 18pt) WCAG AA × Fail

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 80.2728, 0.4300, 0.4856 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 80.2728, 0.4300, 0.4856

Background



This preview shows how black text looks on a background with the Yxy color 80.2728, 0.4300, 0.4856.



This preview shows how white text looks on a background with the Yxy color 80.2728, 0.4300, 0.4856.

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

80.2728, 0.4300, 0.4856

Protanopia

80.2576, 0.4027, 0.4409

Deuteranopia

79.9598, 0.3572, 0.3656



Tritanopia

79.9185, 0.3288, 0.3191

Trichromacy



Original Color

80.2728, 0.4300, 0.4856



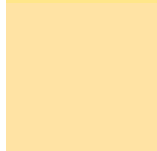
Protanomaly

80.2760, 0.4154, 0.4617



Deuteranomaly

79.6598, 0.3921, 0.4218



Tritanomaly

78.8785, 0.3758, 0.3931

Monochromacy



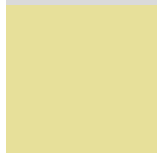
Original Color

80.2728, 0.4300, 0.4856



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.6333, 0.3652, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2728, 0.4300, 0.4856 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, 234, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 42)  
}
```

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, 234, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 42) }
```

Border

The CSS property to change the border of an element to Yxy 80.2728, 0.4300, 0.4856 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, 234, 42) }
```

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

```
.border{ border-color:rgb(255, 234, 42) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2728, 0.4300, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 42) }
```

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

```
.background{ background-color: rgb(255,  
234, 42) }
```

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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