

Converting Colors

$Y_{xy}(40.8310, 0.3783, 0.2626)$

Have a look what the booklet for
Yxy(40.8310, 0.3783, 0.2626)
contains.

Yxy(40.8556, 0.3783, 0.2627)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8556, 0.3783, 0.2627)

Conversions

Conversions Part 1

Format	Color
Hex	FF81C2
RGB	255, 129, 194
RGB Percent	100%, 51%, 76%
CMY	0.0000, 0.4941, 0.2392
CMYK	0.00, 0.49, 0.24, 0.00
HSL	329°, 100%, 75%
HSV	329°, 49%, 100%
XYZ	58.8339, 40.8556, 55.8324
YIQ	174.0840, 54.2310, 46.9270

Conversions

Conversions Part 2

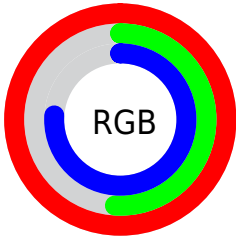
Format	Color
R_{YB}	255, 129, 194
Decimal	16744898
CIE _{Lab}	70.07, 55.11, -11.68
CIE _{LCh}	70, 56.333, 348.038
Yxy	40.8556, 0.3783, 0.2627
Android (android.graphics.Color)	4294934978 (0xFFFF81C2)
YUV	174.0840, 9.8186, 70.9633
Hunter-Lab	63.9184, 52.4439, -7.0466

Details

The Yxy color $40.8556, 0.3783, 0.2627$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $79.9032, 0.2771, 0.4092$, and the grayscale version is $42.2982, 0.3127, 0.3290$.

A 20% lighter version of the original color is $62.9230, 0.3189, 0.2640$, and $18.5268, 0.3978, 0.2461$ is the 20% darker color. If you saturate the color by 10%, you get $34.4226, 0.3987, 0.2516$, and if you desaturate by 10%, it is $49.0076, 0.3604, 0.2757$.

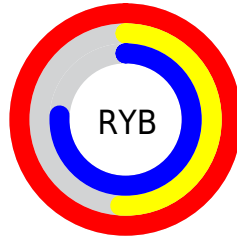
Distribution



Red (100%)

Green (51%)

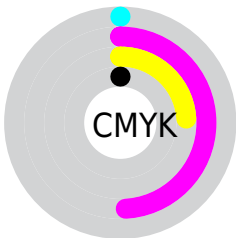
Blue (76%)



Red (100%)

Yellow (51%)

Blue (76%)

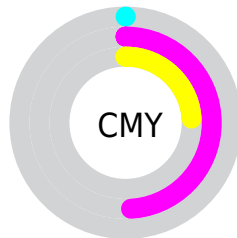


Cyan (0%)

Magenta (49%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (49%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8556, 0.3783, 0.2627 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 40.8556, 0.3783, 0.2627 by changing the saturation by 10% instead.

 40.8556, 0.3783,
0.2627


 40.8556, 0.3783,
0.2627


349.7167, 0.3458,
0.2948


 28.2063, 0.3863,
0.2550


 76.4646, 0.3665,
0.2741

 18.4812, 0.3965,
0.2454

 100.1931, 0.3621,
0.2785

 11.2960, 0.4100,
0.2329


 128.3835, 0.3584,
0.2822

 6.2663, 0.4285,
0.2162

161.4201, 0.3551,
0.2854

 3.0077, 0.4554,
0.1928

199.6873, 0.3523,
0.2882

 1.1357, 0.4976,
0.1582

243.5696, 0.3499,

 0.0083, 0.6372,

0.2907

0.0036

293.4512, 0.3477,
0.2928

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8556, 0.3783,
0.2627

■ 40.8556, 0.3783,
0.2627

■ 34.4226, 0.3987,
0.2516

■ 49.0076, 0.3604,
0.2757

■ 29.5847, 0.4212,
0.2436

■ 58.9980, 0.3450,
0.2895

■ 26.1942, 0.4450,
0.2400

■ 70.9303, 0.3320,
0.3034

■ 24.0770, 0.4689,
0.2417

■ 84.9016, 0.3212,
0.3169

■ 22.9668, 0.4919,
0.2486

100.0000, 0.3127,
0.3290

■ 22.9146, 0.4932,
0.2491

Harmonies

Analogous

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



40.8556, 0.2940, 0.2244



40.8556, 0.3783, 0.2627



40.8556, 0.4490, 0.3152

Triad

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



40.8556, 0.3783, 0.2627



40.8556, 0.3905, 0.4747



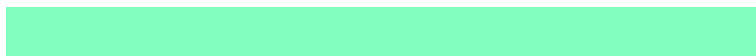
40.8556, 0.1730, 0.2509

Complementary

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



40.8556, 0.3783, 0.2627



79.9032, 0.2771, 0.4092

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.



40.8556, 0.1911, 0.3210



40.8556, 0.3783, 0.2627



40.8556, 0.3136, 0.4726

Square

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



40.8556, 0.3783, 0.2627



40.8556, 0.4508, 0.4322



40.8556, 0.2406, 0.4101



40.8556, 0.1848, 0.2141

Rectangle

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



40.8556, 0.3783, 0.2627



40.8556, 0.4724, 0.3542



40.8556, 0.2406, 0.4101



40.8556, 0.1756, 0.2707

Sweetspot

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



40.8542, 0.3783, 0.2627



76.8414, 0.3270, 0.3094



33.8522, 0.2623, 0.1885



15.8323, 0.3293, 0.3066



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.



40.8542, 0.3783, 0.2627



34.6568, 0.3978, 0.2520



38.5997, 0.4510, 0.3273



18.1436, 0.3213, 0.3168



12.0037, 0.4896, 0.2471



1.1909, 0.4651, 0.2336

Inverse Universe

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



40.8542, 0.3783, 0.2627



34.6568, 0.3978, 0.2520



83.2720, 0.2487, 0.3312



18.1436, 0.3213, 0.3168



12.0037, 0.4896, 0.2471



1.1909, 0.4651, 0.2336

Previews

White Background



This preview shows how the Yxy color 40.8556, 0.3783, 0.2627 looks on a white background.

Color Contrast Check

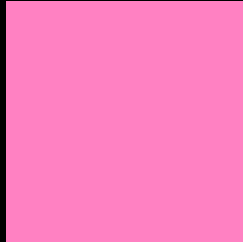
Large Text (above 18pt) WCAG AA × Fail

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 40.8556, 0.3783, 0.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

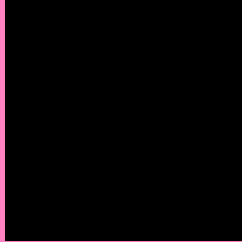
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8556, 0.3783, 0.2627

Background



This preview shows how black text looks on a background with the Yxy color 40.8556, 0.3783, 0.2627.



This preview shows how white text looks on a background with the Yxy color 40.8556, 0.3783, 0.2627.

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

40.8556, 0.3783, 0.2627

Protanopia

41.2925, 0.2639, 0.2616

Deuteranopia

41.0920, 0.3077, 0.3014



Tritanopia

40.8243, 0.4233, 0.3187

Trichromacy



Original Color

40.8556, 0.3783, 0.2627



Protanomaly

39.5336, 0.2987, 0.2590



Deuteranomaly

39.9101, 0.3322, 0.2839



Tritanomaly

40.7400, 0.4062, 0.2977

Monochromacy



Original Color

40.8556, 0.3783, 0.2627



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.4864, 0.3352, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8556, 0.3783, 0.2627 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, 129, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 194)  
}
```

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, 129, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 194) }
```

Border

The CSS property to change the border of an element to Yxy 40.8556, 0.3783, 0.2627 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, 129, 194) }
```

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

```
.border{ border-color:rgb(255, 129, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8556, 0.3783, 0.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 194) }
```

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

```
.background{ background-color: rgb(255,  
129, 194) }
```

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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