

Converting Colors

$Y_{xy}(100.0000, 0.5169, 0.3014)$

Have a look what the booklet for
Yxy(100.0000, 0.5169, 0.3014)
contains.

Yxy(42.1160, 0.3793, 0.2695)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.1160, 0.3793, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	FF86C0
RGB	255, 134, 192
RGB Percent	100%, 53%, 75%
CMY	0.0001, 0.4744, 0.2470
CMYK	0.00, 0.47, 0.25, 0.00
HSL	331°, 100%, 76%
HSV	331°, 47%, 100%
XYZ	59.2749, 42.1160, 54.8836
YIQ	176.7910, 53.4980, 43.6900

Conversions

Conversions Part 2

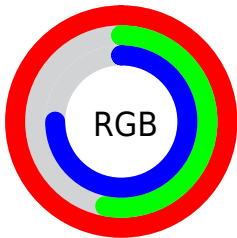
Format	Color
R_{YB}	255, 134, 192
Decimal	16746176
CIE _{Lab}	70.95, 52.40, -9.25
CIE _{LCh}	71, 53.206, 349.984
Yxy	42.1160, 0.3793, 0.2695
Android (android.graphics.Color)	4294936256 (0xFFFF86C0)
YUV	176.7910, 7.4980, 68.5893
Hunter-Lab	64.8968, 49.4674, -4.7141

Details

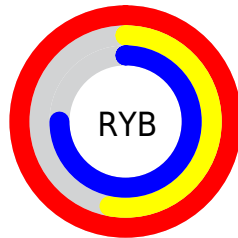
The Yxy color $42.1160, 0.3793, 0.2695$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $80.6065, 0.2760, 0.3996$, and the grayscale version is $43.7930, 0.3127, 0.3290$.

A 20% lighter version of the original color is $64.8642, 0.3208, 0.2717$, and $19.3372, 0.3976, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $35.3358, 0.4010, 0.2588$, and if you desaturate by 10%, it is $50.6523, 0.3604, 0.2818$.

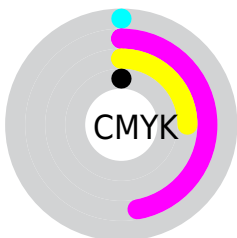
Distribution



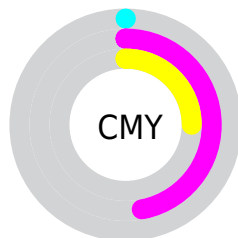
- Red (100%)
- Green (53%)
- Blue (75%)



- Red (100%)
- Yellow (53%)
- Blue (75%)



- Cyan (0%)
- Magenta (47%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1160, 0.3793, 0.2695 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 42.1160, 0.3793, 0.2695 by changing the saturation by 10% instead.

 42.1160, 0.3793,
0.2695

 42.1160, 0.3793,
0.2695


354.9636, 0.3462,
0.2984


 29.1921, 0.3875,
0.2626


 78.3752, 0.3673,
0.2798

 19.2262, 0.3979,
0.2538


 102.4792, 0.3628,
0.2837

 11.8338, 0.4117,
0.2424


 131.0788, 0.3590,
0.2871

 6.6306, 0.4307,
0.2271

164.5584, 0.3557,
0.2900

 3.2322, 0.4584,
0.2055

203.3022, 0.3529,
0.2925

 1.2541, 0.5023,
0.1730

247.6948, 0.3504,

 0.1053, 0.6340,

0.2947

0.0444

298.1204, 0.3482,
0.2967

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1160, 0.3793,
0.2695

■ 42.1160, 0.3793,
0.2695

■ 35.3358, 0.4010,
0.2588

■ 50.6523, 0.3604,
0.2818

■ 30.1799, 0.4253,
0.2509

■ 61.0516, 0.3443,
0.2948

■ 26.5080, 0.4512,
0.2471

■ 73.4196, 0.3309,
0.3077

■ 24.1524, 0.4776,
0.2486

■ 87.8522, 0.3197,
0.3202

■ 22.8952, 0.5027,
0.2555

99.9959, 0.3127,
0.3290

■ 22.6674, 0.5090,
0.2578

Harmonies

Analogous

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



42.1160, 0.3004, 0.2319



42.1160, 0.3793, 0.2695



42.1160, 0.4432, 0.3202

Triad

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



42.1160, 0.3793, 0.2695



42.1160, 0.3824, 0.4671



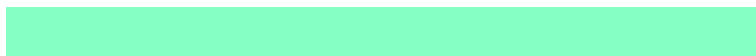
42.1160, 0.1804, 0.2530

Complementary

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



42.1160, 0.3793, 0.2695



80.6065, 0.2760, 0.3996

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.



42.1160, 0.1961, 0.3171



42.1160, 0.3793, 0.2695



42.1160, 0.3096, 0.4601

Square

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



42.1160, 0.3793, 0.2695



42.1160, 0.4403, 0.4306



42.1160, 0.2416, 0.3993



42.1160, 0.1935, 0.2194

Rectangle

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



42.1160, 0.3793, 0.2695



42.1160, 0.4633, 0.3576



42.1160, 0.2416, 0.3993



42.1160, 0.1824, 0.2710

Sweetspot

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



42.1181, 0.3793, 0.2695



78.1601, 0.3268, 0.3121



36.0792, 0.2682, 0.1956



16.0886, 0.3293, 0.3093



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.



42.1181, 0.3793, 0.2695



35.6050, 0.4000, 0.2592



40.5960, 0.4437, 0.3315



18.1322, 0.3219, 0.3177



11.8763, 0.5052, 0.2556



1.1783, 0.4786, 0.2410

Inverse Universe

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



42.1181, 0.3793, 0.2695



35.6050, 0.4000, 0.2592



82.5154, 0.2493, 0.3265



18.1322, 0.3219, 0.3177



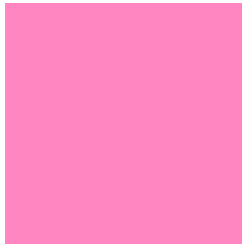
11.8763, 0.5052, 0.2556



1.1783, 0.4786, 0.2410

Previews

White Background



This preview shows how the Yxy color 42.1160, 0.3793, 0.2695 looks on a white background.

Color Contrast Check

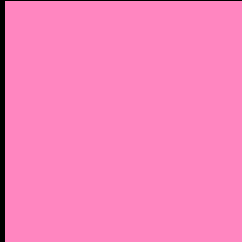
Large Text (above 18pt) WCAG AA × Fail

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 42.1160, 0.3793, 0.2695 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 42.1160, 0.3793, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 42.1160, 0.3793, 0.2695.



This preview shows how white text looks on a background with the Yxy color 42.1160, 0.3793, 0.2695.

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

42.1160, 0.3793, 0.2695

Protanopia

42.3013, 0.2712, 0.2707

Deuteranopia

42.2354, 0.3129, 0.3069



Tritanopia

42.1222, 0.4170, 0.3187

Trichromacy



Original Color

42.1160, 0.3793, 0.2695



Protanomaly

40.7435, 0.3047, 0.2677



Deuteranomaly

41.1094, 0.3356, 0.2902



Tritanomaly

41.9507, 0.4025, 0.2997

Monochromacy



Original Color

42.1160, 0.3793, 0.2695



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.8463, 0.3357, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1160, 0.3793, 0.2695 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, 134, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 192)  
}
```

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, 134, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 192) }
```

Border

The CSS property to change the border of an element to Yxy 42.1160, 0.3793, 0.2695 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, 134, 192) }
```

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

```
.border{ border-color:rgb(255, 134, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 134, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1160, 0.3793, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 192) }
```

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

```
.background{ background-color: rgb(255,  
134, 192) }
```

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