

Converting Colors

$Y_{xy}(40.1743, 0.3860, 0.2678)$

Have a look what the booklet for
Yxy(40.1743, 0.3860, 0.2678)
contains.

Yxy(40.2862, 0.3863, 0.2687)	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(40.2862, 0.3863, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	FF80BB
RGB	255, 128, 187
RGB Percent	100%, 50%, 73%
CMY	0.0001, 0.4979, 0.2667
CMYK	0.00, 0.50, 0.27, 0.00
HSL	332°, 100%, 75%
HSV	332°, 50%, 100%
XYZ	57.9180, 40.2862, 51.7259
YIQ	172.6990, 56.7530, 45.2730

Conversions

Conversions Part 2

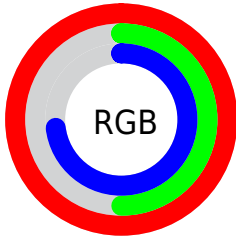
Format	Color
R _Y B	255, 128, 187
Decimal	16744635
CIE Lab	69.67, 54.62, -8.34
CIE LCh	70, 55.252, 351.315
Yxy	40.2862, 0.3863, 0.2687
Android (android.graphics.Color)	4294934715 (0xFFFF80BB)
YUV	172.6990, 7.0504, 72.1780
Hunter-Lab	63.4714, 51.8072, -3.8882

Details

The Yxy color $40.2862, 0.3863, 0.2687$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $80.0773, 0.2738, 0.4014$, and the grayscale version is $41.5735, 0.3127, 0.3290$.

A 20% lighter version of the original color is $62.0120, 0.3250, 0.2703$, and $18.0884, 0.4066, 0.2520$ is the 20% darker color. If you saturate the color by 10%, you get $33.8923, 0.4095, 0.2589$, and if you desaturate by 10%, it is $48.4106, 0.3661, 0.2804$.

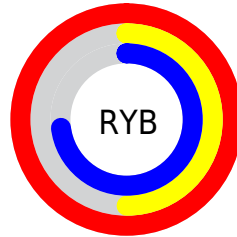
Distribution



Red (100%)

Green (50%)

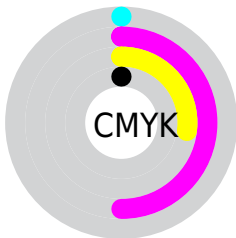
Blue (73%)



Red (100%)

Yellow (50%)

Blue (73%)

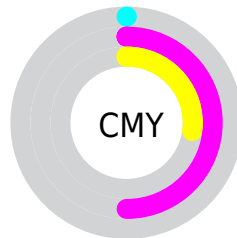


Cyan (0%)

Magenta (50%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2862, 0.3863, 0.2687 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 40.2862, 0.3863, 0.2687 by changing the saturation by 10% instead.


 40.2862, 0.3863,
0.2687


 40.2862, 0.3863,
0.2687


347.3284, 0.3494,
0.2983


 27.7618, 0.3955,
0.2615


 75.5991, 0.3729,
0.2793

 18.1461, 0.4073,
0.2524


 99.1564, 0.3678,
0.2833

 11.0550, 0.4230,
0.2406


 127.1601, 0.3636,
0.2867

 6.1038, 0.4448,
0.2245

159.9946, 0.3599,
0.2897

 2.9083, 0.4769,
0.2016

198.0443, 0.3568,
0.2923

 1.0841, 0.5283,
0.1668

241.6935, 0.3540,

 0.0000, 0.7183,

0.2945

0.0000

291.3268, 0.3515,
0.2965

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.2862, 0.3863,
0.2687

■ 40.2862, 0.3863,
0.2687

■ 33.8923, 0.4095,
0.2589

■ 48.4106, 0.3661,
0.2804

■ 29.0938, 0.4351,
0.2522

■ 58.3753, 0.3488,
0.2929

■ 25.7450, 0.4623,
0.2499

■ 70.2881, 0.3344,
0.3055

■ 23.6703, 0.4893,
0.2530

■ 84.2465, 0.3224,
0.3177

■ 22.5904, 0.5149,
0.2611

99.9937, 0.3127,
0.3290

■ 22.5714, 0.5155,
0.2613

Harmonies

Analogous

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



40.2862, 0.3030, 0.2289



40.2862, 0.3863, 0.2687



40.2862, 0.4523, 0.3217

Triad

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



40.2862, 0.3863, 0.2687



40.2862, 0.3818, 0.4751



40.2862, 0.1745, 0.2465

Complementary

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



40.2862, 0.3863, 0.2687



80.0773, 0.2738, 0.4014

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.



40.2862, 0.1892, 0.3123



40.2862, 0.3863, 0.2687



40.2862, 0.3053, 0.4663

Square

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



40.2862, 0.3863, 0.2687



40.2862, 0.4440, 0.4369



40.2862, 0.2350, 0.3996



40.2862, 0.1894, 0.2134

Rectangle

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



40.2862, 0.3863, 0.2687



40.2862, 0.4717, 0.3606



40.2862, 0.2350, 0.3996



40.2862, 0.1760, 0.2648

Sweetspot

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



40.2882, 0.3863, 0.2687



76.7270, 0.3284, 0.3114



34.3651, 0.2670, 0.1894



15.8048, 0.3309, 0.3088



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.



40.2882, 0.3863, 0.2687



33.7819, 0.4100, 0.2587



39.3879, 0.4526, 0.3337



18.1275, 0.3221, 0.3180



11.8270, 0.5116, 0.2592



1.1734, 0.4842, 0.2441

Inverse Universe

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



40.2882, 0.3863, 0.2687



33.7819, 0.4100, 0.2587



80.6392, 0.2465, 0.3240



18.1275, 0.3221, 0.3180



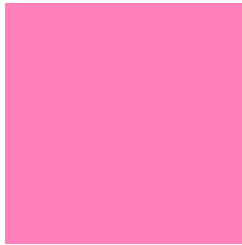
11.8270, 0.5116, 0.2592



1.1734, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 40.2862, 0.3863, 0.2687 looks on a white background.

Color Contrast Check

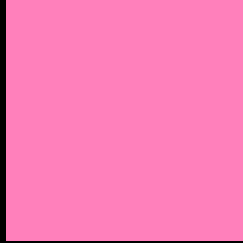
Large Text (above 18pt) WCAG AA × Fail

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 40.2862, 0.3863, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

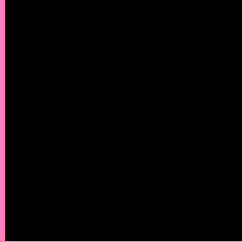
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2862, 0.3863, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 40.2862, 0.3863, 0.2687.



This preview shows how white text looks on a background with the Yxy color 40.2862, 0.3863, 0.2687.

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

40.2862, 0.3863, 0.2687

Protanopia

40.7046, 0.2706, 0.2698

Deuteranopia

40.6759, 0.3155, 0.3092



Tritanopia

40.1929, 0.4265, 0.3188

Trichromacy



Original Color

40.2862, 0.3863, 0.2687



Protanomaly

39.0729, 0.3072, 0.2670



Deuteranomaly

39.4307, 0.3400, 0.2910



Tritanomaly

40.0437, 0.4115, 0.2998

Monochromacy



Original Color

40.2862, 0.3863, 0.2687



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.0248, 0.3382, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2862, 0.3863, 0.2687 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, 128, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 187)  
}
```

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, 128, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 187) }
```

Border

The CSS property to change the border of an element to Yxy 40.2862, 0.3863, 0.2687 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, 128, 187) }
```

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

```
.border{ border-color:rgb(255, 128, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2862, 0.3863, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 187) }
```

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

```
.background{ background-color: rgb(255,  
128, 187) }
```

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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