

Converting Colors

$Y_{xy}(41.1553, 0.3406, 0.2685)$

Have a look what the booklet for
Yxy(41.1553, 0.3406, 0.2685)
contains.

Yxy(41.2063, 0.3407, 0.2688)	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(41.2063, 0.3407, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	E293C8
RGB	226, 147, 200
RGB Percent	89%, 58%, 78%
CMY	0.1137, 0.4235, 0.2156
CMYK	0.00, 0.35, 0.11, 0.11
HSL	320°, 58%, 73%
HSV	320°, 35%, 89%
XYZ	52.2284, 41.2063, 59.8626
YIQ	176.6630, 30.0710, 33.2310

Conversions

Conversions Part 2

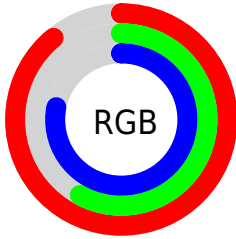
Format	Color
R _{YB}	226, 147, 200
Decimal	14848968
CIE _{Lab}	70.32, 37.47, -15.02
CIE _{LCh}	70, 40.363, 338.161
Yxy	41.2063, 0.3407, 0.2688
Android (android.graphics.Color)	4293039048 (0xFFE293C8)
YUV	176.6630, 11.5051, 43.2685
Hunter-Lab	64.1921, 32.8960, -10.3566

Details

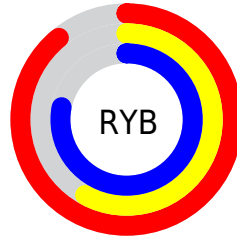
The Yxy color $41.2063, 0.3407, 0.2688$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $63.6180, 0.2928, 0.3983$, and the grayscale version is $43.7088, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.7211, 0.3151, 0.2772$, and $18.6948, 0.3475, 0.2534$ is the 20% darker color. If you saturate the color by 10%, you get $34.5173, 0.3517, 0.2518$, and if you desaturate by 10%, it is $49.2967, 0.3311, 0.2864$.

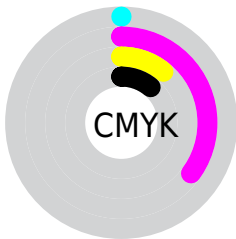
Distribution



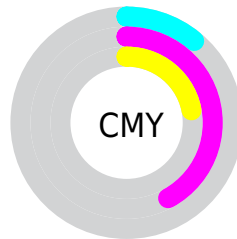
- Red (89%)
- Green (58%)
- Blue (78%)



- Red (89%)
- Yellow (58%)
- Blue (78%)



- Cyan (0%)
- Magenta (35%)
- Yellow (11%)
- Black (11%)




- Cyan (11%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2063, 0.3407, 0.2688 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 41.2063, 0.3407, 0.2688 by changing the saturation by 10% instead.


 41.2063, 0.3407,
0.2688

 41.2063, 0.3407,
0.2688


351.1821, 0.3272,
0.2979

 28.4803, 0.3439,
0.2618


 76.9970, 0.3359,
0.2792

 18.6880, 0.3480,
0.2530


 100.8304, 0.3340,
0.2831

 11.4451, 0.3533,
0.2417


129.1352, 0.3325,
0.2865

 6.3670, 0.3604,
0.2264

162.2956, 0.3311,
0.2894

 3.0695, 0.3704,
0.2047

200.6962, 0.3299,
0.2920

 1.1681, 0.3855,
0.1723

244.7211, 0.3289,

 0.0355, 0.4577,

0.2942

0.0170

294.7550, 0.3280,
0.2962

0.0000, 0.0000,
0.0000

41.2063, 0.3407,
0.2688

41.2063, 0.3407,
0.2688

34.5173, 0.3517,
0.2518

49.2967, 0.3311,
0.2864

29.1426, 0.3640,
0.2364

58.8576, 0.3228,
0.3039

24.9941, 0.3775,
0.2236

69.9605, 0.3158,
0.3209


21.9704, 0.3917,
0.2146

82.6704, 0.3099,
0.3370

19.9539, 0.4061,
0.2103


93.8161, 0.3050,
0.3471

 18.8004, 0.4202,
0.2110

 94.2600, 0.3009,
0.3395

 18.4277, 0.4273,
0.2127

 94.7222, 0.2968,
0.3319

 94.9107, 0.2952,
0.3289

Harmonies

Analogous

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



41.2063, 0.2817, 0.2440



41.2063, 0.3407, 0.2688



41.2063, 0.3961, 0.3069

Triad

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



41.2063, 0.3407, 0.2688



41.2063, 0.3888, 0.4285



41.2063, 0.2102, 0.2890

Complementary

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



41.2063, 0.3407, 0.2688



63.6180, 0.2928, 0.3983

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.



41.2063, 0.2335, 0.3454



41.2063, 0.3407, 0.2688



41.2063, 0.3353, 0.4344

Square

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



41.2063, 0.3407, 0.2688



41.2063, 0.4236, 0.3958



41.2063, 0.2784, 0.4028



41.2063, 0.2113, 0.2515

Rectangle

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



41.2063, 0.3407, 0.2688



41.2063, 0.4206, 0.3365



41.2063, 0.2784, 0.4028



41.2063, 0.2153, 0.3062

Sweetspot

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



41.2082, 0.3407, 0.2688



84.2674, 0.3192, 0.3123



35.1302, 0.2694, 0.2298



17.5998, 0.3202, 0.3099



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.



41.2082, 0.3407, 0.2688



47.5643, 0.3486, 0.2563



39.6269, 0.3803, 0.3121



13.8550, 0.3188, 0.3134



10.5346, 0.4252, 0.2116



0.7465, 0.4051, 0.2005

Inverse Universe

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



41.2082, 0.3407, 0.2688



47.5643, 0.3486, 0.2563



65.3313, 0.2712, 0.3470



13.8550, 0.3188, 0.3134



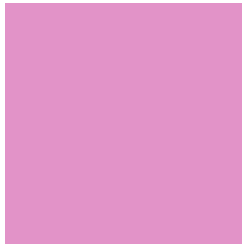
10.5346, 0.4252, 0.2116



0.7465, 0.4051, 0.2005

Previews

White Background



This preview shows how the Yxy color 41.2063, 0.3407, 0.2688 looks on a white background.

Color Contrast Check

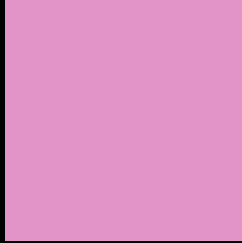
Large Text (above 18pt) WCAG AA × Fail

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 41.2063, 0.3407, 0.2688 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 41.2063, 0.3407, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 41.2063, 0.3407, 0.2688.



This preview shows how white text looks on a background with the Yxy color 41.2063, 0.3407, 0.2688.

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

41.2063, 0.3407, 0.2688

Protanopia

41.6608, 0.2703, 0.2703

Deuteranopia

41.4558, 0.2985, 0.2924



Tritanopia

41.3574, 0.3704, 0.3161

Trichromacy



Original Color

41.2063, 0.3407, 0.2688



Protanomaly

40.8081, 0.2934, 0.2687



Deuteranomaly

40.7749, 0.3130, 0.2827



Tritanomaly

41.0355, 0.3589, 0.2974

Monochromacy



Original Color

41.2063, 0.3407, 0.2688



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.3773, 0.3230, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2063, 0.3407, 0.2688 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(226, 147, 200)` looks like.

```
.text, #text, p{  
    color:rgb(226, 147, 200)  
}
```

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(226, 147, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 147, 200) }
```

Border

The CSS property to change the border of an element to Yxy 41.2063, 0.3407, 0.2688 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(226, 147, 200) }
```

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

```
.border{ border-color:rgb(226, 147, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 147, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 147, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 147, 200);  
box-shadow:4px 4px 4px 4px rgb(226, 147,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2063, 0.3407, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 147, 200) }
```

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

```
.background{ background-color: rgb(226,  
147, 200) }
```

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