

Converting Colors

$Y_{xy}(21.3335, 0.4560, 0.2406)$

Have a look what the booklet for
Yxy(21.3335, 0.4560, 0.2406)
contains.

Yxy(21.2842, 0.4563, 0.2407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2842, 0.4563, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	ED268C
RGB	237, 38, 140
RGB Percent	93%, 15%, 55%
CMY	0.0706, 0.8508, 0.4510
CMYK	0.00, 0.84, 0.41, 0.07
HSL	329°, 85%, 54%
HSV	329°, 84%, 93%
XYZ	40.3489, 21.2842, 26.7932
YIQ	109.1290, 85.8620, 73.9100

Conversions

Conversions Part 2

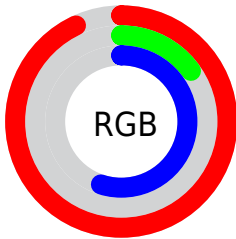
Format	Color
R_{YB}	237, 38, 140
Decimal	15541900
CIE _{Lab}	53.26, 77.25, -5.92
CIE _{LCh}	53, 77.476, 355.620
Yxy	21.2842, 0.4563, 0.2407
Android (android.graphics.Color)	4293731980 (0xFFED268C)
YUV	109.1290, 15.2194, 112.1429
Hunter-Lab	46.1348, 75.3779, -2.1388

Details

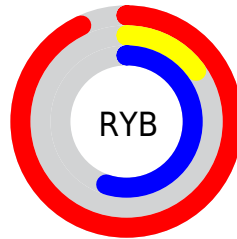
The Yxy color **21.2842, 0.4563, 0.2407** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **62.7247, 0.2699, 0.4775**, and the grayscale version is **15.2766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8354, 0.3839, 0.2447**, and **9.8521, 0.4891, 0.2468** is the 20% darker color. If you saturate the color by 10%, you get **19.8964, 0.4800, 0.2448**, and if you desaturate by 10%, it is **23.6730, 0.4322, 0.2421**.

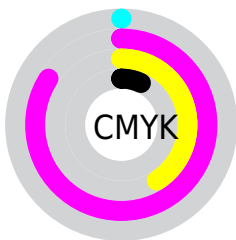
Distribution



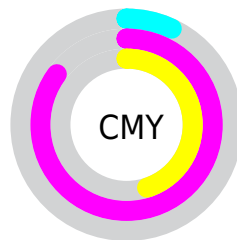
- Red (93%)
- Green (15%)
- Blue (55%)



- Red (93%)
- Yellow (15%)
- Blue (55%)



- Cyan (0%)
- Magenta (84%)
- Yellow (41%)
- Black (7%)





- Cyan (7%)
- Magenta (85%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2842, 0.4563, 0.2407 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 21.2842, 0.4563, 0.2407 by changing the saturation by 10% instead.


 21.2842, 0.4563,
0.2407


 21.2842, 0.4563,
0.2407


258.7850, 0.3772,
0.2882


 13.3319, 0.4784,
0.2278


 45.5600, 0.4258,
0.2587

 7.6575, 0.5083,
0.2108


 62.6524, 0.4149,
0.2653


 3.8766, 0.5503,
0.1874

 83.5602, 0.4058,
0.2707

 1.6048, 0.6128,
0.1538

 108.6678, 0.3983,
0.2753

 0.3608, 0.7284,
0.0840

 138.3598, 0.3918,
0.2792

 0.0000, 1.0000,
0.0000

173.0203, 0.3863,

 0.0000, 0.0000,

0.2826

0.0000

213.0340, 0.3815,
0.2856

■ 21.2842, 0.4563,
0.2407

■ 21.2842, 0.4563,
0.2407

■ 19.8964, 0.4800,
0.2448

■ 23.6730, 0.4322,
0.2421

■ 19.3940, 0.4939,
0.2494

■ 27.2185, 0.4089,
0.2483

■ 32.0530, 0.3874,
0.2581

■ 38.2897, 0.3683,
0.2703

■ 46.0292, 0.3517,
0.2837

 55.3628, 0.3377,
0.2975

 66.3746, 0.3259,
0.3111

 79.1426, 0.3161,
0.3241

 93.7400, 0.3080,
0.3363

Harmonies

Analogous

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



21.2842, 0.3105, 0.1825



21.2842, 0.4563, 0.2407



21.2842, 0.5596, 0.3133

Triad

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



21.2842, 0.4563, 0.2407



21.2842, 0.3816, 0.5738



21.2842, 0.1068, 0.1807

Complementary

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



21.2842, 0.4563, 0.2407



62.7247, 0.2699, 0.4775

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.



21.2842, 0.1150, 0.2693



21.2842, 0.4563, 0.2407



21.2842, 0.2653, 0.5753

Square

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



21.2842, 0.4563, 0.2407



21.2842, 0.4903, 0.4864



21.2842, 0.1667, 0.4307



21.2842, 0.1324, 0.1480

Rectangle

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



21.2842, 0.4563, 0.2407



21.2842, 0.5731, 0.3655



21.2842, 0.1667, 0.4307



21.2842, 0.1056, 0.2026

Sweetspot

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



21.2854, 0.4563, 0.2407



64.0082, 0.3392, 0.2959



12.5883, 0.2161, 0.1052



12.8379, 0.3439, 0.2910



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.



21.2854, 0.4563, 0.2407



22.8901, 0.4947, 0.2499



19.5546, 0.6046, 0.3282



15.1829, 0.3213, 0.3170



10.6163, 0.4903, 0.2475



0.8531, 0.4605, 0.2310

Inverse Universe

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



21.2854, 0.4563, 0.2407



22.8901, 0.4947, 0.2499



66.8961, 0.2284, 0.3330



15.1829, 0.3213, 0.3170



10.6163, 0.4903, 0.2475



0.8531, 0.4605, 0.2310

Previews

White Background



This preview shows how the Yxy color 21.2842, 0.4563, 0.2407 looks on a white background.

Color Contrast Check

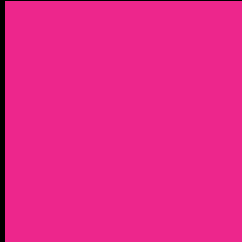
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2842, 0.4563, 0.2407 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 × Fail

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

Yxy 21.2842, 0.4563, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 21.2842, 0.4563, 0.2407.



This preview shows how white text looks on a background with the Yxy color 21.2842, 0.4563, 0.2407.

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

21.2842, 0.4563, 0.2407

Protanopia

21.7598, 0.2321, 0.2205

Deuteranopia

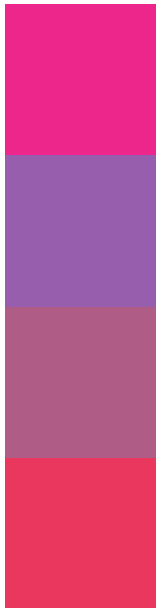
21.5160, 0.3241, 0.3187



Tritanopia

21.3957, 0.5576, 0.3273

Trichromacy



Original Color

21.2842, 0.4563, 0.2407

Protanomaly

17.7368, 0.2910, 0.2099

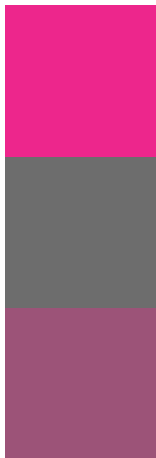
Deuteranomaly

18.6639, 0.3734, 0.2691

Tritanomaly

21.0330, 0.5254, 0.2961

Monochromacy



Original Color

21.2842, 0.4563, 0.2407

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.6105, 0.3717, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2842, 0.4563, 0.2407 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(237, 38, 140)` looks like.

```
.text, #text, p{  
    color:rgb(237, 38, 140)  
}
```

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(237, 38, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 38, 140) }
```

Border

The CSS property to change the border of an element to Yxy 21.2842, 0.4563, 0.2407 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(237, 38, 140) }
```

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

```
.border{ border-color:rgb(237, 38, 140) }
```

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

Here you see how a box with a 4 pixel rgb(237, 38, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 38, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 38, 140);  
box-shadow:4px 4px 4px 4px rgb(237, 38,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2842, 0.4563, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 38, 140) }
```

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

```
.background{ background-color: rgb(237, 38,  
140) }
```

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