

Converting Colors

$Y_{xy}(73.0559, 0.3621, 0.2815)$

Have a look what the booklet for
Yxy(73.0559, 0.3621, 0.2815)
contains.

Yxy(63.1515, 0.3263, 0.2752)	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(63.1515, 0.3263, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	FFBBF1
RGB	255, 187, 241
RGB Percent	100%, 73%, 95%
CMY	0.0001, 0.2666, 0.0550
CMYK	0.00, 0.27, 0.05, 0.00
HSL	312°, 100%, 87%
HSV	312°, 27%, 100%
XYZ	74.8777, 63.1515, 91.4458
YIQ	213.4880, 23.1940, 31.2100

Conversions

Conversions Part 2

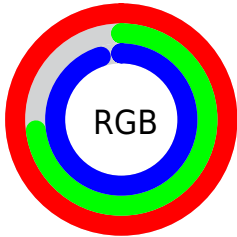
Format	Color
R _Y B	255, 187, 241
Decimal	16759793
CIE _{Lab}	83.52, 32.81, -17.11
CIE _{LCh}	84, 37.004, 332.464
Yxy	63.1515, 0.3263, 0.2752
Android (android.graphics.Color)	4294949873 (0xFFFFBBF1)
YUV	213.4880, 13.5634, 36.4060
Hunter-Lab	79.4679, 29.1206, -12.5990

Details

The Yxy color **63.1515, 0.3263, 0.2752** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.2889, 0.3016, 0.3896**, and the grayscale version is **66.7798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1814, 0.3132, 0.3185**, and **32.1482, 0.3284, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **52.9686, 0.3328, 0.2548**, and if you desaturate by 10%, it is **75.2697, 0.3206, 0.2958**.

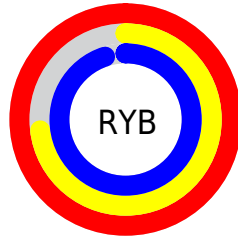
Distribution



Red (100%)

Green (73%)

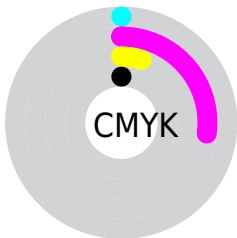
Blue (95%)



Red (100%)

Yellow (73%)

Blue (95%)

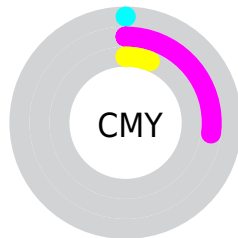


Cyan (0%)

Magenta (27%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1515, 0.3263, 0.2752 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 63.1515, 0.3263, 0.2752 by changing the saturation by 10% instead.

 63.1515, 0.3263,
0.2752

 63.1515, 0.3263,
0.2752


436.1191, 0.3204,
0.2995

 45.9638, 0.3276,
0.2698


 109.3881, 0.3243,
0.2835

 32.2172, 0.3291,
0.2632


139.2057, 0.3235,
0.2868

 21.5275, 0.3309,
0.2549


174.0020, 0.3228,
0.2896

 13.5101, 0.3332,
0.2443

214.1616, 0.3222,
0.2921

 7.7807, 0.3361,
0.2303

260.0687, 0.3217,
0.2943

 3.9550, 0.3398,
0.2108

312.1077, 0.3212,

 1.6484, 0.3446,

0.2962

0.1822

370.6630, 0.3208,
0.2980

0.3899, 0.3592,
0.1151

0.0000, 0.2233,
0.0000

63.1515, 0.3263,
0.2752

63.1515, 0.3263,
0.2752

52.9686, 0.3328,
0.2548

75.2697, 0.3206,
0.2958

44.6109, 0.3399,
0.2355

89.4088, 0.3156,
0.3160

37.9701, 0.3476,
0.2182

99.9952, 0.3127,
0.3290

32.9231, 0.3557,
0.2041

■ 29.3304, 0.3640,
0.1939

■ 27.0283, 0.3721,
0.1884

■ 25.8109, 0.3798,
0.1876

■ 25.5415, 0.3824,
0.1880

Harmonies

Analogous

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



63.1515, 0.2801, 0.2573



63.1515, 0.3263, 0.2752



63.1515, 0.3717, 0.3052

Triad

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



63.1515, 0.3263, 0.2752



63.1515, 0.3812, 0.4056



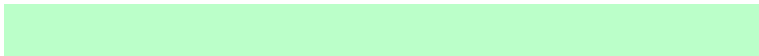
63.1515, 0.2317, 0.3058

Complementary

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



63.1515, 0.3263, 0.2752



86.2889, 0.3016, 0.3896

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.



63.1515, 0.2550, 0.3515



63.1515, 0.3263, 0.2752



63.1515, 0.3406, 0.4131

Square

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



63.1515, 0.3263, 0.2752



63.1515, 0.4041, 0.3781



63.1515, 0.2944, 0.3932



63.1515, 0.2285, 0.2716

Rectangle

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



63.1515, 0.3263, 0.2752



63.1515, 0.3939, 0.3292



63.1515, 0.2944, 0.3932



63.1515, 0.2373, 0.3203

Sweetspot

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



63.1543, 0.3263, 0.2752



87.4002, 0.3163, 0.3133



55.1315, 0.2756, 0.2540



18.2325, 0.3170, 0.3103



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.



63.1543, 0.3263, 0.2752



57.4853, 0.3297, 0.2642



61.3295, 0.3532, 0.3081



18.2325, 0.3170, 0.3103



13.3714, 0.3812, 0.1873



1.3173, 0.3729, 0.1828

Inverse Universe

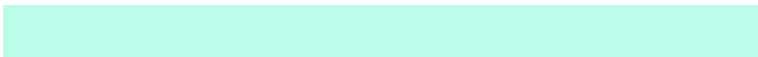
The Inverse Universe completely reimagines the original color for something new.



63.1543, 0.3263, 0.2752



57.4853, 0.3297, 0.2642



88.0455, 0.2839, 0.3511



18.2325, 0.3170, 0.3103



13.3714, 0.3812, 0.1873



1.3173, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 63.1515, 0.3263, 0.2752 looks on a white background.

Color Contrast Check

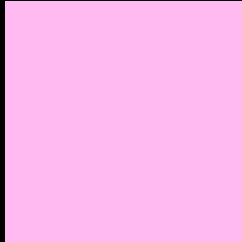
Large Text (above 18pt) WCAG AA × Fail

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 63.1515, 0.3263, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

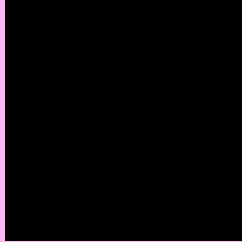
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.1515, 0.3263, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 63.1515, 0.3263, 0.2752.



This preview shows how white text looks on a background with the Yxy color 63.1515, 0.3263, 0.2752.

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

63.1515, 0.3263, 0.2752

Protanopia

63.7872, 0.2760, 0.2773

Deuteranopia

63.3320, 0.2975, 0.2907



Tritanopia

63.2032, 0.3484, 0.3135

Trichromacy



Original Color

63.1515, 0.3263, 0.2752



Protanomaly

63.2082, 0.2931, 0.2767



Deuteranomaly

62.9875, 0.3080, 0.2845



Tritanomaly

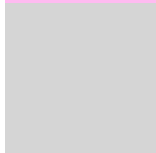
63.1244, 0.3399, 0.2993

Monochromacy



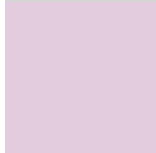
Original Color

63.1515, 0.3263, 0.2752



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

65.0074, 0.3175, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1515, 0.3263, 0.2752 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, 187, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 241)  
}
```

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, 187, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 241) }
```

Border

The CSS property to change the border of an element to Yxy 63.1515, 0.3263, 0.2752 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, 187, 241) }
```

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

```
.border{ border-color:rgb(255, 187, 241) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1515, 0.3263, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 241) }
```

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

```
.background{ background-color: rgb(255,  
187, 241) }
```

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