

Converting Colors

$Y_{xy}(31.4870, 0.3455, 0.1891)$

Have a look what the booklet for
Yxy(31.4870, 0.3455, 0.1891)
contains.

Yxy(31.3627, 0.3457, 0.1891)	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(31.3627, 0.3457, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	FE48E5
RGB	254, 72, 229
RGB Percent	100%, 28%, 90%
CMY	0.0039, 0.7177, 0.1020
CMYK	0.00, 0.72, 0.10, 0.00
HSL	308°, 99%, 64%
HSV	308°, 72%, 100%
XYZ	57.3352, 31.3627, 77.1546
YIQ	144.3160, 58.0750, 87.4110

Conversions

Conversions Part 2

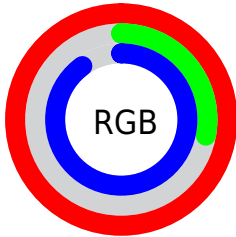
Format	Color
R_{YB}	254, 72, 229
Decimal	16664805
CIE _{Lab}	62.81, 82.76, -42.42
CIE _{LCh}	63, 93.001, 332.862
Yxy	31.3627, 0.3457, 0.1891
Android (android.graphics.Color)	4294854885 (0xFFFE48E5)
YUV	144.3160, 41.7492, 96.1929
Hunter-Lab	56.0024, 84.7438, -42.4822

Details

The Yxy color **31.3627, 0.3457, 0.1891** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.1320, 0.2946, 0.5349**, and the grayscale version is **27.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8079, 0.3181, 0.2144**, and **14.3546, 0.3490, 0.1696** is the 20% darker color. If you saturate the color by 10%, you get **28.5376, 0.3509, 0.1803**, and if you desaturate by 10%, it is **35.5501, 0.3403, 0.2022**.

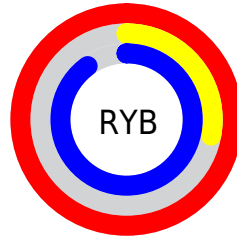
Distribution



Red (100%)

Green (28%)

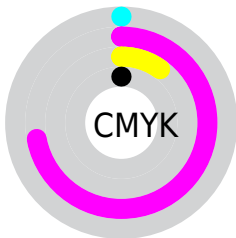
Blue (90%)



Red (100%)

Yellow (28%)

Blue (90%)

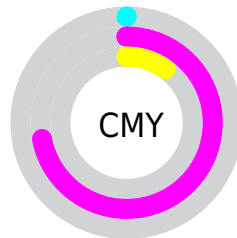


Cyan (0%)

Magenta (72%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3627, 0.3457, 0.1891 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 31.3627, 0.3457, 0.1891 by changing the saturation by 10% instead.


 31.3627, 0.3457,
0.1891


 31.3627, 0.3457,
0.1891


308.2058, 0.3324,
0.2531


 20.8752, 0.3481,
0.1750


 61.8107, 0.3415,
0.2109


 13.0328, 0.3507,
0.1581


 82.5399, 0.3398,
0.2196

 7.4511, 0.3534,
0.1374


 107.4518, 0.3382,
0.2270

 3.7458, 0.3557,
0.1121

 136.9309, 0.3368,
0.2336

 1.5324, 0.3565,
0.0811

171.3614, 0.3355,
0.2393

 0.3114, 0.3572,
0.0332

211.1278, 0.3344,

 0.0000, 0.3396,

0.2444

0.0000

256.6145, 0.3333,
0.2490

■ 0.0000, 0.1916,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3627, 0.3457,
0.1891

■ 31.3627, 0.3457,
0.1891

■ 28.5376, 0.3509,
0.1803

■ 35.5501, 0.3403,
0.2022

■ 26.8910, 0.3559,
0.1761

■ 41.2442, 0.3350,
0.2190


■ 26.1925, 0.3598,
0.1756

■ 48.5758, 0.3298,
0.2386

■ 57.6604, 0.3250,
0.2599

 68.6032, 0.3206,
0.2820

 81.5008, 0.3167,
0.3041

 96.4434, 0.3132,
0.3255

99.8130, 0.3121,
0.3290

Harmonies

Analogous

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



31.3627, 0.2152, 0.1494



31.3627, 0.3457, 0.1891



31.3627, 0.4977, 0.2536

Triad

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



31.3627, 0.3457, 0.1891



31.3627, 0.4685, 0.5137



31.3627, 0.1023, 0.2357

Complementary

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



31.3627, 0.3457, 0.1891



73.1320, 0.2946, 0.5349

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.



31.3627, 0.1419, 0.3893



31.3627, 0.3457, 0.1891



31.3627, 0.3512, 0.5987

Square

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



31.3627, 0.3457, 0.1891



31.3627, 0.5595, 0.4136



31.3627, 0.2329, 0.5664



31.3627, 0.1032, 0.1620

Rectangle

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



31.3627, 0.3457, 0.1891



31.3627, 0.5661, 0.3033



31.3627, 0.2329, 0.5664



31.3627, 0.1102, 0.2773

Sweetspot

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



31.3642, 0.3457, 0.1891



69.9983, 0.3204, 0.2834



14.2923, 0.1862, 0.1062



14.2810, 0.3215, 0.2773



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.



31.3642, 0.3457, 0.1891



27.9320, 0.3532, 0.1780



27.5639, 0.4666, 0.2689



18.2549, 0.3159, 0.3087



13.8240, 0.3591, 0.1752



1.3573, 0.3541, 0.1724

Inverse Universe

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



31.3642, 0.3457, 0.1891



27.9320, 0.3532, 0.1780



75.8681, 0.2584, 0.4161



18.2549, 0.3159, 0.3087



13.8240, 0.3591, 0.1752



1.3573, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 31.3627, 0.3457, 0.1891 looks on a white background.

Color Contrast Check

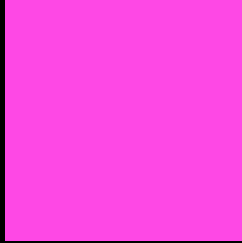
Large Text (above 18pt) WCAG AA × Fail

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 31.3627, 0.3457, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

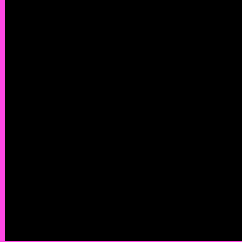
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3627, 0.3457, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 31.3627, 0.3457, 0.1891.



This preview shows how white text looks on a background with the Yxy color 31.3627, 0.3457, 0.1891.

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

31.3627, 0.3457, 0.1891

Protanopia

31.7791, 0.2100, 0.1921

Deuteranopia

31.6550, 0.2413, 0.2361



Tritanopia

31.2529, 0.4700, 0.3222

Trichromacy



Original Color

31.3627, 0.3457, 0.1891



Protanomaly

27.8021, 0.2429, 0.1778



Deuteranomaly

28.0238, 0.2716, 0.2044



Tritanomaly

30.5742, 0.4249, 0.2672

Monochromacy



Original Color

31.3627, 0.3457, 0.1891



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2424, 0.3266, 0.2522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3627, 0.3457, 0.1891 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(254, 72, 229)` looks like.

```
.text, #text, p{  
    color:rgb(254, 72, 229)  
}
```

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(254, 72, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 72, 229) }
```

Border

The CSS property to change the border of an element to Yxy 31.3627, 0.3457, 0.1891 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(254, 72, 229) }
```

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

```
.border{ border-color:rgb(254, 72, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 72, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 72, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 72, 229);  
box-shadow:4px 4px 4px 4px rgb(254, 72,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3627, 0.3457, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 72, 229) }
```

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

```
.background{ background-color: rgb(254, 72,  
229) }
```

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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