

Converting Colors

Yxy(31.9832, 0.3498, 0.1944)

Have a look what the booklet for
Yxy(31.9832, 0.3498, 0.1944)
contains.

Yxy(32.0587, 0.3497, 0.1946)	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(32.0587, 0.3497, 0.1946)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DE2
RGB	255, 77, 226
RGB Percent	100%, 30%, 89%
CMY	0.0001, 0.6978, 0.1139
CMYK	0.00, 0.70, 0.11, 0.00
HSL	310°, 100%, 65%
HSV	310°, 70%, 100%
XYZ	57.6101, 32.0587, 75.0727
YIQ	147.2080, 58.2590, 84.0750

Conversions

Conversions Part 2

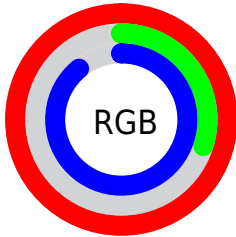
Format	Color
R _Y B	255, 77, 226
Decimal	16731618
CIE Lab	63.39, 80.94, -39.81
CIE LCh	63, 90.200, 333.813
Yxy	32.0587, 0.3497, 0.1946
Android (android.graphics.Color)	4294921698 (0xFFFF4DE2)
YUV	147.2080, 38.8445, 94.5336
Hunter-Lab	56.6204, 82.5344, -38.9780

Details

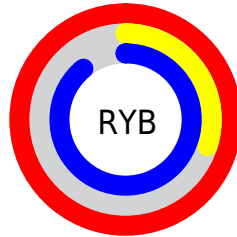
The Yxy color **32.0587, 0.3497, 0.1946** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.1277, 0.2931, 0.5245**, and the grayscale version is **29.0958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9452, 0.3179, 0.2178**, and **14.3716, 0.3549, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **28.9358, 0.3560, 0.1853**, and if you desaturate by 10%, it is **36.5878, 0.3433, 0.2082**.

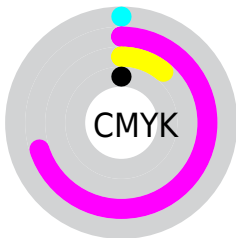
Distribution



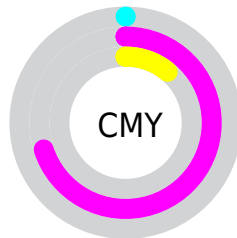
- Red (100%)
- Green (30%)
- Blue (89%)



- Red (100%)
- Yellow (30%)
- Blue (89%)



- Cyan (0%)
- Magenta (70%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (70%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0587, 0.3497, 0.1946 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 32.0587, 0.3497, 0.1946 by changing the saturation by 10% instead.


 32.0587, 0.3497,
0.1946


 32.0587, 0.3497,
0.1946


311.3866, 0.3340,
0.2564

 21.4063, 0.3528,
0.1809


 62.9031, 0.3446,
0.2158

 13.4213, 0.3562,
0.1644


 83.8639, 0.3426,
0.2241

 7.7193, 0.3601,
0.1441


 109.0297, 0.3407,
0.2313

 3.9159, 0.3641,
0.1190

 138.7848, 0.3391,
0.2376

 1.6266, 0.3676,
0.0879

173.5137, 0.3376,
0.2431

 0.3754, 0.3718,
0.0412

213.6006, 0.3363,

 0.0000, 0.3629,

0.2480

0.0000

259.4301, 0.3351,
0.2524

0.0000, 0.2262,
0.0000

0.0000, 0.0000,
0.0000

32.0587, 0.3497,
0.1946

32.0587, 0.3497,
0.1946

28.9358, 0.3560,
0.1853

36.5878, 0.3433,
0.2082

27.0404, 0.3621,
0.1806

42.6644, 0.3371,
0.2252

26.0965, 0.3679,
0.1801

50.4177, 0.3311,
0.2448

26.0796, 0.3680,
0.1801

59.9621, 0.3257,
0.2658

71.4019, 0.3208,
0.2874

84.8335, 0.3164,
0.3088

99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



32.0587, 0.2216, 0.1546



32.0587, 0.3497, 0.1946



32.0587, 0.4952, 0.2586

Triad

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



32.0587, 0.3497, 0.1946



32.0587, 0.4634, 0.5141



32.0587, 0.1070, 0.2363

Complementary

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



32.0587, 0.3497, 0.1946



74.1277, 0.2931, 0.5245

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.



32.0587, 0.1453, 0.3818



32.0587, 0.3497, 0.1946



32.0587, 0.3492, 0.5912

Square

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



32.0587, 0.3497, 0.1946



32.0587, 0.5517, 0.4173



32.0587, 0.2335, 0.5521



32.0587, 0.1085, 0.1655

Rectangle

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



32.0587, 0.3497, 0.1946



32.0587, 0.5595, 0.3079



32.0587, 0.2335, 0.5521



32.0587, 0.1146, 0.2759

Sweetspot

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



32.0603, 0.3497, 0.1946



69.9136, 0.3213, 0.2847



15.4623, 0.1911, 0.1120



14.2606, 0.3227, 0.2787



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.



32.0603, 0.3497, 0.1946



28.0028, 0.3587, 0.1828



28.4453, 0.4648, 0.2722



18.2465, 0.3163, 0.3093



13.6489, 0.3671, 0.1796



1.3419, 0.3609, 0.1762

Inverse Universe

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



32.0603, 0.3497, 0.1946



28.0028, 0.3587, 0.1828



76.9226, 0.2576, 0.4094



18.2465, 0.3163, 0.3093



13.6489, 0.3671, 0.1796



1.3419, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 32.0587, 0.3497, 0.1946 looks on a white background.

Color Contrast Check

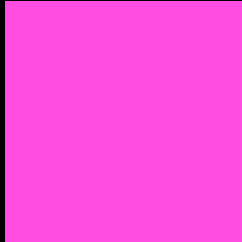
Large Text (above 18pt) WCAG AA × Fail

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 32.0587, 0.3497, 0.1946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

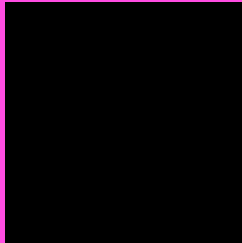
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0587, 0.3497, 0.1946

Background



This preview shows how black text looks on a background with the Yxy color 32.0587, 0.3497, 0.1946.

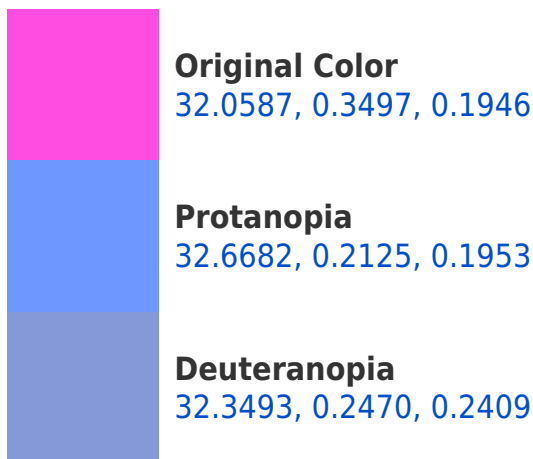


This preview shows how white text looks on a background with the Yxy color 32.0587, 0.3497, 0.1946.

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





Tritanopia

31.9100, 0.4671, 0.3222

Trichromacy



Original Color

32.0587, 0.3497, 0.1946



Protanomaly

28.7335, 0.2470, 0.1836



Deuteranomaly

29.1288, 0.2772, 0.2111



Tritanomaly

31.3145, 0.4249, 0.2701

Monochromacy



Original Color

32.0587, 0.3497, 0.1946



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4928, 0.3273, 0.2568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0587, 0.3497, 0.1946 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, 77, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 226)  
}
```

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, 77, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.0587, 0.3497, 0.1946 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, 77, 226) }
```

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

```
.border{ border-color:rgb(255, 77, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0587, 0.3497, 0.1946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 226) }
```

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

```
.background{ background-color: rgb(255, 77,  
226) }
```

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