

Converting Colors

$Y_{xy}(32.0649, 0.3417, 0.1874)$

Have a look what the booklet for
Yxy(32.0649, 0.3417, 0.1874)
contains.

Yxy(32.0408, 0.3422, 0.1878)	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(32.0408, 0.3422, 0.1878)

Conversions

Conversions Part 1

Format	Color
Hex	FF4AE9
RGB	255, 74, 233
RGB Percent	100%, 29%, 91%
CMY	0.0002, 0.7095, 0.0863
CMYK	0.00, 0.71, 0.09, 0.00
HSL	307°, 100%, 65%
HSV	307°, 71%, 100%
XYZ	58.3832, 32.0408, 80.1873
YIQ	146.2450, 56.8370, 87.8210

Conversions

Conversions Part 2

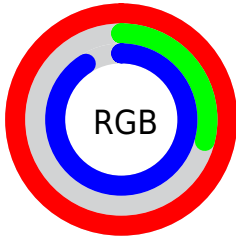
Format	Color
R _Y B	255, 74, 233
Decimal	16730857
CIE Lab	63.38, 82.89, -43.76
CIE LCh	63, 93.730, 332.172
Yxy	32.0408, 0.3422, 0.1878
Android (android.graphics.Color)	4294920937 (0xFFFF4AE9)
YUV	146.2450, 42.7702, 95.3781
Hunter-Lab	56.6046, 85.0507, -44.3683

Details

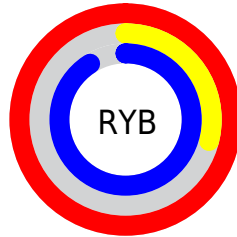
The Yxy color **32.0408, 0.3422, 0.1878** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **73.7972, 0.2956, 0.5361**, and the grayscale version is **28.6674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3713, 0.3180, 0.2161**, and **14.6437, 0.3443, 0.1671** is the 20% darker color. If you saturate the color by 10%, you get **29.1207, 0.3468, 0.1785**, and if you desaturate by 10%, it is **36.3457, 0.3374, 0.2014**.

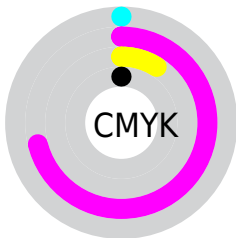
Distribution



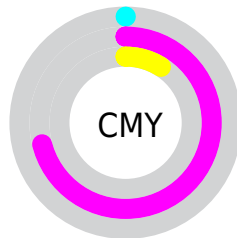
- Red (100%)
- Green (29%)
- Blue (91%)



- Red (100%)
- Yellow (29%)
- Blue (91%)



- Cyan (0%)
- Magenta (71%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0408, 0.3422, 0.1878 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 32.0408, 0.3422, 0.1878 by changing the saturation by 10% instead.


 32.0408, 0.3422,
0.1878


 32.0408, 0.3422,
0.1878

311.3051, 0.3308,
0.2520


 21.3927, 0.3441,
0.1738


 62.8750, 0.3388,
0.2096

 13.4113, 0.3461,
0.1569


 83.8299, 0.3373,
0.2183

 7.7124, 0.3479,
0.1365


 108.9892, 0.3359,
0.2258

 3.9115, 0.3491,
0.1114

 138.7373, 0.3347,
0.2323

 1.6242, 0.3485,
0.0809

173.4585, 0.3336,
0.2381

 0.3738, 0.3459,
0.0369

213.5373, 0.3325,

 0.0000, 0.3274,

0.2433

0.0000

259.3580, 0.3316,
0.2479

■ 0.0000, 0.2059,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0408, 0.3422,
0.1878

■ 32.0408, 0.3422,
0.1878

■ 29.1207, 0.3468,
0.1785

■ 36.3457, 0.3374,
0.2014

■ 27.4028, 0.3512,
0.1738

■ 42.1795, 0.3327,
0.2186

■ 26.6331, 0.3549,
0.1729

■ 49.6730, 0.3280,
0.2386

■ 58.9421, 0.3237,
0.2603

70.0920, 0.3197,
0.2828

83.2199, 0.3162,
0.3052

98.4162, 0.3130,
0.3270

99.9919, 0.3127,
0.3290

Harmonies

Analogous

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



32.0408, 0.2127, 0.1488



32.0408, 0.3422, 0.1878



32.0408, 0.4947, 0.2519

Triad

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



32.0408, 0.3422, 0.1878



32.0408, 0.4711, 0.5114



32.0408, 0.1026, 0.2382

Complementary

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



32.0408, 0.3422, 0.1878



73.7972, 0.2956, 0.5361

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.



32.0408, 0.1433, 0.3937



32.0408, 0.3422, 0.1878



32.0408, 0.3540, 0.5977

Square

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



32.0408, 0.3422, 0.1878



32.0408, 0.5611, 0.4114



32.0408, 0.2354, 0.5694



32.0408, 0.1027, 0.1629

Rectangle

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



32.0408, 0.3422, 0.1878



32.0408, 0.5647, 0.3015



32.0408, 0.2354, 0.5694



32.0408, 0.1108, 0.2805

Sweetspot

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



32.0423, 0.3422, 0.1878



70.0515, 0.3197, 0.2826



14.5679, 0.1857, 0.1072



14.2938, 0.3208, 0.2764



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.



32.0423, 0.3422, 0.1878



28.3011, 0.3486, 0.1761



28.1557, 0.4598, 0.2660



18.2601, 0.3157, 0.3084



13.9367, 0.3542, 0.1725



1.3672, 0.3499, 0.1701

Inverse Universe

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



32.0423, 0.3422, 0.1878



28.3011, 0.3486, 0.1761



76.4808, 0.2599, 0.4193



18.2601, 0.3157, 0.3084



13.9367, 0.3542, 0.1725



1.3672, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 32.0408, 0.3422, 0.1878 looks on a white background.

Color Contrast Check

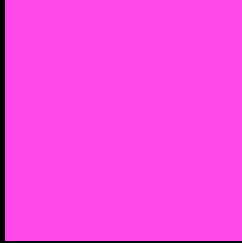
Large Text (above 18pt) WCAG AA × Fail

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 32.0408, 0.3422, 0.1878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

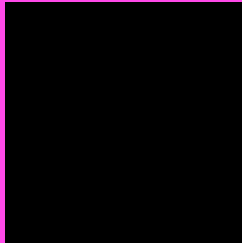
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0408, 0.3422, 0.1878

Background



This preview shows how black text looks on a background with the Yxy color 32.0408, 0.3422, 0.1878.



This preview shows how white text looks on a background with the Yxy color 32.0408, 0.3422, 0.1878.

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

32.0408, 0.3422, 0.1878

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.1890, 0.2392, 0.2331



Tritanopia

31.7555, 0.4649, 0.3211

Trichromacy



Original Color

32.0408, 0.3422, 0.1878



Protanomaly

28.3158, 0.2440, 0.1788



Deuteranomaly

28.8502, 0.2696, 0.2033



Tritanomaly

31.0476, 0.4202, 0.2659

Monochromacy



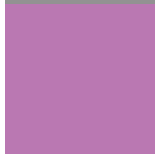
Original Color

32.0408, 0.3422, 0.1878



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.0864, 0.3253, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0408, 0.3422, 0.1878 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, 74, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 233)  
}
```

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, 74, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 233) }
```

Border

The CSS property to change the border of an element to Yxy 32.0408, 0.3422, 0.1878 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, 74, 233) }
```

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

```
.border{ border-color:rgb(255, 74, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 74, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0408, 0.3422, 0.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 233) }
```

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

```
.background{ background-color: rgb(255, 74,  
233) }
```

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