

Converting Colors

$Yxy(41.8649, 0.3166, 0.2028)$

Have a look what the booklet for
Yxy(41.8649, 0.3166, 0.2028)
contains.

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Color

Yxy(42.0217, 0.3168, 0.2032)

Conversions

Conversions Part 1

Format	Color
Hex	FD7AFF
RGB	253, 122, 255
RGB Percent	99%, 48%, 100%
CMY	0.0079, 0.5215, 0.0000
CMYK	0.01, 0.52, 0.00, 0.00
HSL	299°, 100%, 74%
HSV	299°, 52%, 100%
XYZ	65.5141, 42.0217, 99.2639
YIQ	176.3310, 35.3830, 69.1350

Conversions

Conversions Part 2

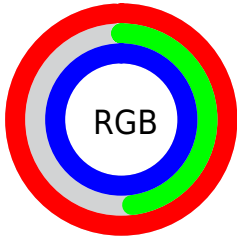
Format	Color
RYB	253, 122, 255
Decimal	16612095
CIELab	70.89, 67.17, -44.12
CIELCh	71, 80.364, 326.697
Yxy	42.0217, 0.3168, 0.2032
Android (android.graphics.Color)	4294802175 (0xFFFD7AFF)
YUV	176.3310, 38.7838, 67.2387
Hunter-Lab	64.8241, 66.9577, -45.4126

Details

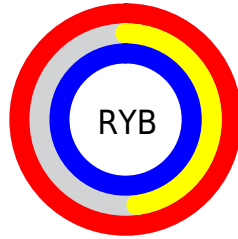
The Yxy color **42.0217, 0.3168, 0.2032** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.2114, 0.3058, 0.4962**, and the grayscale version is **43.3803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **19.2133, 0.3150, 0.1766** is the 20% darker color. If you saturate the color by 10%, you get **36.4887, 0.3172, 0.1848**, and if you desaturate by 10%, it is **49.2011, 0.3162, 0.2248**.

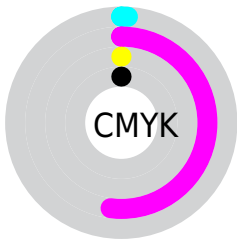
Distribution



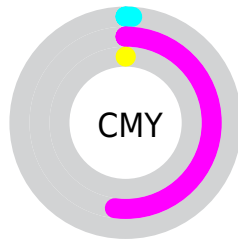
- Red (99%)
- Green (48%)
- Blue (100%)



- Red (99%)
- Yellow (48%)
- Blue (100%)



- Cyan (1%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0217, 0.3168, 0.2032 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 42.0217, 0.3168, 0.2032 by changing the saturation by 10% instead.


 42.0217, 0.3168,
0.2032


 42.0217, 0.3168,
0.2032


354.5729, 0.3174,
0.2592

 29.1183, 0.3160,
0.1911


 78.2325, 0.3175,
0.2221

 19.1703, 0.3148,
0.1767


 102.3086, 0.3176,
0.2296

 11.7934, 0.3127,
0.1591


 130.8778, 0.3177,
0.2361

 6.6032, 0.3092,
0.1375

164.3244, 0.3177,
0.2419

 3.2152, 0.3030,
0.1108

203.0328, 0.3177,
0.2470

 1.2451, 0.2917,
0.0779

247.3874, 0.3176,

 0.0981, 0.2768,

0.2515

0.0130

297.7726, 0.3175,
0.2556

■ 0.0000, 0.2217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0217, 0.3168,
0.2032

■ 42.0217, 0.3168,
0.2032

■ 36.4887, 0.3172,
0.1848

■ 49.2011, 0.3162,
0.2248

■ 32.4649, 0.3174,
0.1703


■ 58.1385, 0.3155,
0.2486


■ 29.8009, 0.3175,
0.1601

■ 68.9422, 0.3147,
0.2736

■ 28.3137, 0.3173,
0.1542

■ 81.7103, 0.3138,
0.2989

 27.7566, 0.3171,
0.1520

 96.5339, 0.3129,
0.3238

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



42.0217, 0.2168, 0.1731



42.0217, 0.3168, 0.2032



42.0217, 0.4369, 0.2568

Triad

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



42.0217, 0.3168, 0.2032



42.0217, 0.4707, 0.4773



42.0217, 0.1401, 0.2791

Complementary

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



42.0217, 0.3168, 0.2032



77.2114, 0.3058, 0.4962

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.



42.0217, 0.1881, 0.4078



42.0217, 0.3168, 0.2032



42.0217, 0.3780, 0.5391

Square

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



42.0217, 0.3168, 0.2032



42.0217, 0.5288, 0.3984



42.0217, 0.2754, 0.5242



42.0217, 0.1315, 0.2016

Rectangle

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



42.0217, 0.3168, 0.2032



42.0217, 0.5009, 0.3008



42.0217, 0.2754, 0.5242



42.0217, 0.1513, 0.3174

Sweetspot

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



42.0236, 0.3168, 0.2032



76.5578, 0.3141, 0.2892



25.8321, 0.2122, 0.1646



15.8230, 0.3143, 0.2840



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.



42.0236, 0.3168, 0.2032



36.0906, 0.3172, 0.1834



38.9320, 0.3835, 0.2593



18.2856, 0.3136, 0.3056



14.5100, 0.3172, 0.1521



1.4171, 0.3176, 0.1523

Inverse Universe

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



36.6384, 0.4633, 0.3274



30.1867, 0.5144, 0.3274



79.2153, 0.2758, 0.4147



17.9915, 0.3292, 0.3287



11.1151, 0.6385, 0.3291



1.0837, 0.6349, 0.3271

Previews

White Background



This preview shows how the Yxy color 42.0217, 0.3168, 0.2032 looks on a white background.

Color Contrast Check

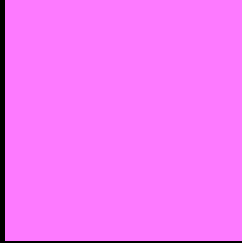
Large Text (above 18pt) WCAG AA × Fail

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 42.0217, 0.3168, 0.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

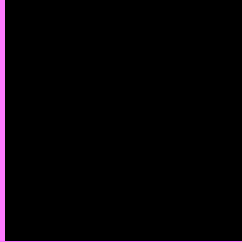
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0217, 0.3168, 0.2032

Background



This preview shows how black text looks on a background with the Yxy color 42.0217, 0.3168, 0.2032.



This preview shows how white text looks on a background with the Yxy color 42.0217, 0.3168, 0.2032.

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

42.0217, 0.3168, 0.2032

Protanopia

42.2751, 0.2361, 0.2263

Deuteranopia

42.3619, 0.2428, 0.2368



Tritanopia

41.6929, 0.4003, 0.3170

Trichromacy



Original Color

42.0217, 0.3168, 0.2032



Protanomaly

40.1928, 0.2601, 0.2125



Deuteranomaly

40.3899, 0.2656, 0.2193

Tritanomaly

41.1541, 0.3679, 0.2693

Monochromacy



Original Color

42.0217, 0.3168, 0.2032



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.0221, 0.3146, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0217, 0.3168, 0.2032 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(253, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 122, 255)  
}
```

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(253, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0217, 0.3168, 0.2032 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(253, 122, 255) }
```

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

```
.border{ border-color:rgb(253, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0217, 0.3168, 0.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 122, 255) }
```

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

```
.background{ background-color: rgb(253,  
122, 255) }
```

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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