

Converting Colors

Yxy(53.0425, 0.3676, 0.2261)

Have a look what the booklet for
Yxy(53.0425, 0.3676, 0.2261)
contains.

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Color

Yxy(42.2655, 0.3238, 0.2092)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BF9
RGB	255, 123, 249
RGB Percent	100%, 48%, 98%
CMY	0.0001, 0.5176, 0.0234
CMYK	0.00, 0.52, 0.02, 0.00
HSL	303°, 100%, 74%
HSV	303°, 52%, 100%
XYZ	65.4186, 42.2655, 94.3498
YIQ	176.8320, 38.2260, 67.1700

Conversions

Conversions Part 2

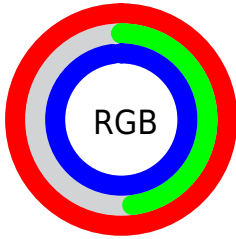
Format	Color
R _{YB}	255, 123, 249
Decimal	16743417
CIE Lab	71.05, 66.23, -40.58
CIE LCh	71, 77.673, 328.502
Yxy	42.2655, 0.3238, 0.2092
Android (android.graphics.Color)	4294933497 (0xFFFF7BF9)
YUV	176.8320, 35.5788, 68.5533
Hunter-Lab	65.0119, 65.8457, -40.5375

Details

The Yxy color **42.2655, 0.3238, 0.2092** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.3038, 0.3024, 0.4882**, and the grayscale version is **43.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **19.3221, 0.3245, 0.1835** is the 20% darker color. If you saturate the color by 10%, you get **36.6712, 0.3260, 0.1914**, and if you desaturate by 10%, it is **49.5111, 0.3215, 0.2301**.

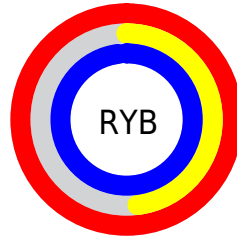
Distribution



Red (100%)

Green (48%)

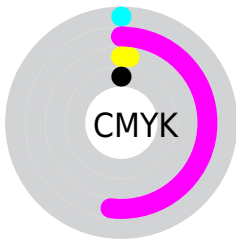
Blue (98%)



Red (100%)

Yellow (48%)

Blue (98%)

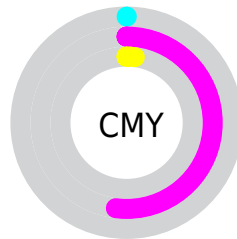


Cyan (0%)

Magenta (52%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2655, 0.3238, 0.2092 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 42.2655, 0.3238, 0.2092 by changing the saturation by 10% instead.


 42.2655, 0.3238,
0.2092


 42.2655, 0.3238,
0.2092


355.5824, 0.3208,
0.2629

 29.3092, 0.3240,
0.1975


 78.6013, 0.3232,
0.2274

 19.3149, 0.3239,
0.1835


 102.7496, 0.3228,
0.2346

 11.8980, 0.3233,
0.1663


 131.3974, 0.3224,
0.2409

 6.6743, 0.3218,
0.1450

164.9291, 0.3221,
0.2464

 3.2592, 0.3184,
0.1183

203.7290, 0.3217,
0.2512

 1.2685, 0.3109,
0.0849

248.1816, 0.3214,

 0.1166, 0.3026,

0.2556

0.0170

298.6713, 0.3211,
0.2594

■ 0.0000, 0.2527,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2655, 0.3238,
0.2092

■ 42.2655, 0.3238,
0.2092

■ 36.6712, 0.3260,
0.1914

■ 49.5111, 0.3215,
0.2301

■ 32.5918, 0.3281,
0.1774


■ 58.5191, 0.3192,
0.2530


■ 29.8787, 0.3300,
0.1677

■ 69.3974, 0.3170,
0.2770

■ 28.3505, 0.3316,
0.1624

■ 82.2437, 0.3149,
0.3012

 27.7555, 0.3328,
0.1607

 97.1491, 0.3130,
0.3249

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



42.2655, 0.2246, 0.1782



42.2655, 0.3238, 0.2092



42.2655, 0.4392, 0.2628

Triad

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



42.2655, 0.3238, 0.2092



42.2655, 0.4625, 0.4788



42.2655, 0.1433, 0.2754

Complementary

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



42.2655, 0.3238, 0.2092



77.3038, 0.3024, 0.4882

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.



42.2655, 0.1882, 0.3969



42.2655, 0.3238, 0.2092



42.2655, 0.3716, 0.5341

Square

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



42.2655, 0.3238, 0.2092



42.2655, 0.5208, 0.4027



42.2655, 0.2717, 0.5118



42.2655, 0.1367, 0.2027

Rectangle

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



42.2655, 0.3238, 0.2092



42.2655, 0.4987, 0.3065



42.2655, 0.2717, 0.5118



42.2655, 0.1536, 0.3114

Sweetspot

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



42.2674, 0.3238, 0.2092



76.5563, 0.3158, 0.2910



25.9331, 0.2153, 0.1645



15.8227, 0.3162, 0.2860



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.



42.2674, 0.3238, 0.2092



36.5596, 0.3261, 0.1910



38.9124, 0.3903, 0.2663



18.2854, 0.3145, 0.3066



14.5117, 0.3326, 0.1606



1.4172, 0.3311, 0.1598

Inverse Universe

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



42.2674, 0.3238, 0.2092



36.5596, 0.3261, 0.1910



79.5875, 0.2729, 0.4052



18.2854, 0.3145, 0.3066



14.5117, 0.3326, 0.1606



1.4172, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 42.2655, 0.3238, 0.2092 looks on a white background.

Color Contrast Check

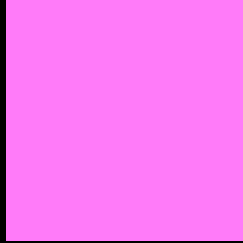
Large Text (above 18pt) WCAG AA × Fail

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 42.2655, 0.3238, 0.2092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

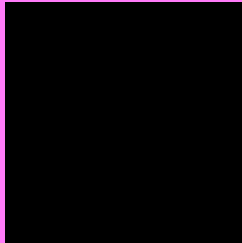
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2655, 0.3238, 0.2092

Background



This preview shows how black text looks on a background with the Yxy color 42.2655, 0.3238, 0.2092.



This preview shows how white text looks on a background with the Yxy color 42.2655, 0.3238, 0.2092.

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

42.2655, 0.3238, 0.2092

Protanopia

42.7448, 0.2369, 0.2277

Deuteranopia

42.5686, 0.2499, 0.2439



Tritanopia

42.1912, 0.4043, 0.3183

Trichromacy



Original Color

42.2655, 0.3238, 0.2092



Protanomaly

40.5173, 0.2622, 0.2156



Deuteranomaly

40.5294, 0.2728, 0.2257



Tritanomaly

41.8511, 0.3738, 0.2740

Monochromacy



Original Color

42.2655, 0.3238, 0.2092



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.4049, 0.3172, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2655, 0.3238, 0.2092 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, 123, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 249)  
}
```

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, 123, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 249) }
```

Border

The CSS property to change the border of an element to Yxy 42.2655, 0.3238, 0.2092 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, 123, 249) }
```

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

```
.border{ border-color:rgb(255, 123, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 123, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 123, 249); box-shadow:4px 4px 4px 4px rgb(255, 123, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2655, 0.3238, 0.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 249) }
```

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

```
.background{ background-color: rgb(255,  
123, 249) }
```

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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