

Converting Colors

Yxy(31.9717, 0.3657, 0.2085)

Have a look what the booklet for
Yxy(31.9717, 0.3657, 0.2085)
contains.

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Color

Yxy(32.0481, 0.3653, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	FF52D4
RGB	255, 82, 212
RGB Percent	100%, 32%, 83%
CMY	0.0000, 0.6785, 0.1686
CMYK	0.00, 0.68, 0.17, 0.00
HSL	315°, 100%, 66%
HSV	315°, 68%, 100%
XYZ	56.1495, 32.0481, 65.5103
YIQ	148.5470, 61.3780, 77.1060

Conversions

Conversions Part 2

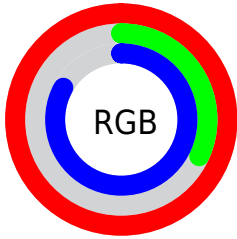
Format	Color
R _Y B	255, 82, 212
Decimal	16732884
CIE Lab	63.38, 77.37, -31.98
CIE LCh	63, 83.719, 337.547
Yxy	32.0481, 0.3653, 0.2085
Android (android.graphics.Color)	4294922964 (0xFFFF52D4)
YUV	148.5470, 31.2823, 93.3593
Hunter-Lab	56.6110, 77.9754, -28.9827

Details

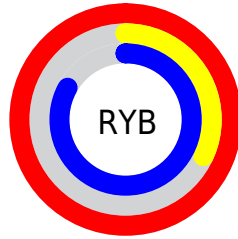
The Yxy color **32.0481, 0.3653, 0.2085** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **74.7925, 0.2876, 0.5010**, and the grayscale version is **29.6936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **13.9037, 0.3761, 0.1846** is the 20% darker color. If you saturate the color by 10%, you get **28.5737, 0.3755, 0.1995**, and if you desaturate by 10%, it is **36.9530, 0.3553, 0.2216**.

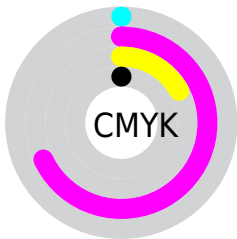
Distribution



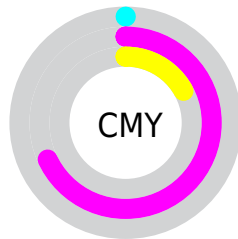
- Red (100%)
- Green (32%)
- Blue (83%)



- Red (100%)
- Yellow (32%)
- Blue (83%)



- Cyan (0%)
- Magenta (68%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0481, 0.3653, 0.2085 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 32.0481, 0.3653, 0.2085 by changing the saturation by 10% instead.


 32.0481, 0.3653,
0.2085


 32.0481, 0.3653,
0.2085


311.3383, 0.3408,
0.2651

 21.3982, 0.3708,
0.1956


 62.8865, 0.3568,
0.2281

 13.4154, 0.3776,
0.1799


 83.8438, 0.3535,
0.2358

 7.7152, 0.3859,
0.1602


 109.0057, 0.3507,
0.2424

 3.9133, 0.3964,
0.1352

 138.7567, 0.3482,
0.2481

 1.6252, 0.4097,
0.1031

173.4810, 0.3460,
0.2531

 0.3745, 0.4311,
0.0510

213.5631, 0.3441,

 0.0000, 0.4500,

0.2576

0.0000

259.3874, 0.3423,
0.2615

■ 0.0000, 0.3764,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0481, 0.3653,
0.2085

■ 32.0481, 0.3653,
0.2085

■ 28.5737, 0.3755,
0.1995

■ 36.9530, 0.3553,
0.2216

■ 26.3768, 0.3857,
0.1953


■ 43.4451, 0.3458,
0.2378


■ 25.2282, 0.3954,
0.1959

■ 51.6443, 0.3371,
0.2562

■ 25.0491, 0.3975,
0.1963

■ 61.6631, 0.3294,
0.2756

 73.6043, 0.3226,
0.2952

 87.5629, 0.3167,
0.3144

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.0481, 0.2401, 0.1665



32.0481, 0.3653, 0.2085



32.0481, 0.4968, 0.2725

Triad

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



32.0481, 0.3653, 0.2085



32.0481, 0.4469, 0.5186



32.0481, 0.1154, 0.2318

Complementary

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



32.0481, 0.3653, 0.2085



74.7925, 0.2876, 0.5010

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.



32.0481, 0.1483, 0.3589



32.0481, 0.3653, 0.2085



32.0481, 0.3376, 0.5766

Square

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



32.0481, 0.3653, 0.2085



32.0481, 0.5328, 0.4288



32.0481, 0.2282, 0.5180



32.0481, 0.1203, 0.1699

Rectangle

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



32.0481, 0.3653, 0.2085



32.0481, 0.5500, 0.3211



32.0481, 0.2282, 0.5180



32.0481, 0.1215, 0.2663

Sweetspot

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



32.0433, 0.3653, 0.2085



70.8761, 0.3240, 0.2910



17.4127, 0.2038, 0.1218



14.4349, 0.3258, 0.2855



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.



32.0433, 0.3653, 0.2085



27.7544, 0.3787, 0.1977



28.8515, 0.4792, 0.2871



18.2187, 0.3176, 0.3113



13.1138, 0.3960, 0.1955



1.2942, 0.3855, 0.1897

Inverse Universe

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



32.0433, 0.3653, 0.2085



27.7544, 0.3787, 0.1977



77.9089, 0.2521, 0.3872



18.2187, 0.3176, 0.3113



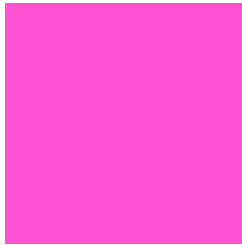
13.1138, 0.3960, 0.1955



1.2942, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 32.0481, 0.3653, 0.2085 looks on a white background.

Color Contrast Check

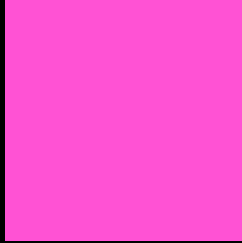
Large Text (above 18pt) WCAG AA × Fail

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 32.0481, 0.3653, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

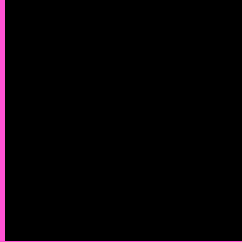
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0481, 0.3653, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 32.0481, 0.3653, 0.2085.



This preview shows how white text looks on a background with the Yxy color 32.0481, 0.3653, 0.2085.

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

32.0481, 0.3653, 0.2085

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.1483, 0.2623, 0.2564



Tritanopia

31.8145, 0.4715, 0.3213

Trichromacy



Original Color

32.0481, 0.3653, 0.2085



Protanomaly

28.6858, 0.2503, 0.1888



Deuteranomaly

29.4452, 0.2941, 0.2271



Tritanomaly

31.3304, 0.4327, 0.2756

Monochromacy



Original Color

32.0481, 0.3653, 0.2085



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.3372, 0.3336, 0.2661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0481, 0.3653, 0.2085 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, 82, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 212)  
}
```

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, 82, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 212) }
```

Border

The CSS property to change the border of an element to Yxy 32.0481, 0.3653, 0.2085 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, 82, 212) }
```

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

```
.border{ border-color:rgb(255, 82, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0481, 0.3653, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 212) }
```

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

```
.background{ background-color: rgb(255, 82,  
212) }
```

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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