

Converting Colors

$Y_{xy}(30.1300, 0.3678, 0.2063)$

Have a look what the booklet for
Yxy(30.1300, 0.3678, 0.2063)
contains.

Yxy(30.0464, 0.3678, 0.2063)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0464, 0.3678, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	FB4BCF
RGB	251, 75, 207
RGB Percent	98%, 29%, 81%
CMY	0.0156, 0.7059, 0.1881
CMYK	0.00, 0.70, 0.18, 0.02
HSL	315°, 96%, 64%
HSV	315°, 70%, 98%
XYZ	53.5679, 30.0464, 62.0299
YIQ	142.6720, 62.5240, 78.3640

Conversions

Conversions Part 2

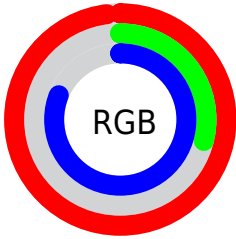
Format	Color
R _Y B	251, 75, 207
Decimal	16468943
CIE Lab	61.69, 78.12, -31.84
CIE LCh	62, 84.359, 337.824
Yxy	30.0464, 0.3678, 0.2063
Android (android.graphics.Color)	4294659023 (0xFFFB4BCF)
YUV	142.6720, 31.7137, 95.0037
Hunter-Lab	54.8146, 78.5148, -28.7242

Details

The Yxy color **30.0464, 0.3678, 0.2063** 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 **71.8265, 0.2874, 0.5068**, and the grayscale version is **27.1824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3713, 0.3180, 0.2161**, and **13.2141, 0.3792, 0.1862** is the 20% darker color. If you saturate the color by 10%, you get **26.9883, 0.3781, 0.1984**, and if you desaturate by 10%, it is **34.4616, 0.3577, 0.2185**.

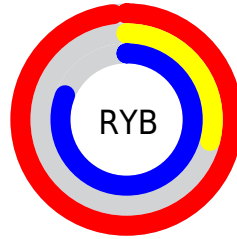
Distribution



Red (98%)

Green (29%)

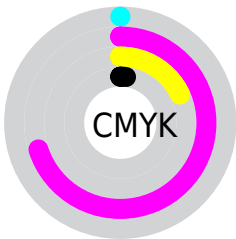
Blue (81%)



Red (98%)

Yellow (29%)

Blue (81%)

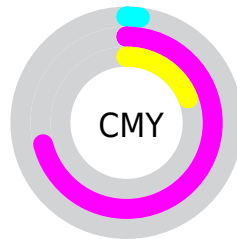


Cyan (0%)

Magenta (70%)

Yellow (18%)

Black (2%)



Cyan (2%)

Magenta (71%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0464, 0.3678, 0.2063 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 30.0464, 0.3678, 0.2063 by changing the saturation by 10% instead.


 30.0464, 0.3678,
0.2063


 30.0464, 0.3678,
0.2063


302.1207, 0.3418,
0.2644


 19.8738, 0.3737,
0.1930


 59.7355, 0.3588,
0.2265


 12.3033, 0.3810,
0.1766


 80.0209, 0.3553,
0.2344

 6.9506, 0.3900,
0.1561


 104.4460, 0.3522,
0.2412

 3.4312, 0.4015,
0.1301

 133.3951, 0.3496,
0.2470

 1.3608, 0.4160,
0.0966

167.2528, 0.3473,
0.2522

 0.1876, 0.4452,
0.0298


206.4033, 0.3453,


 0.0000, 0.4562,

0.2567


0.0000

251.2312, 0.3435,
0.2607


 0.0000, 0.0000,
0.0000

 30.0464, 0.3678,
0.2063


 30.0464, 0.3678,
0.2063


 26.9883, 0.3781,
0.1984


 34.4616, 0.3577,
0.2185


 25.1143, 0.3883,
0.1953


 40.3707, 0.3480,
0.2341

 24.1549, 0.3979,
0.1966


 47.8985, 0.3391,
0.2521

 57.1557, 0.3311,
0.2712

 68.2430, 0.3241,
0.2908

 81.2535, 0.3180,
0.3102

 96.2739, 0.3128,
0.3288

 99.2510, 0.3103,
0.3290

Harmonies

Analogous

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



30.0464, 0.2390, 0.1634



30.0464, 0.3678, 0.2063



30.0464, 0.5030, 0.2713

Triad

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



30.0464, 0.3678, 0.2063



30.0464, 0.4472, 0.5225



30.0464, 0.1113, 0.2279

Complementary

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



30.0464, 0.3678, 0.2063



71.8265, 0.2874, 0.5068

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.



30.0464, 0.1437, 0.3577



30.0464, 0.3678, 0.2063



30.0464, 0.3354, 0.5839

Square

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



30.0464, 0.3678, 0.2063



30.0464, 0.5364, 0.4297



30.0464, 0.2242, 0.5234



30.0464, 0.1169, 0.1660

Rectangle

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



30.0464, 0.3678, 0.2063



30.0464, 0.5568, 0.3204



30.0464, 0.2242, 0.5234



30.0464, 0.1173, 0.2628

Sweetspot

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



30.0479, 0.3678, 0.2063



69.6315, 0.3247, 0.2891



15.7128, 0.2000, 0.1158



14.1928, 0.3266, 0.2837



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.



30.0479, 0.3678, 0.2063



27.0722, 0.3822, 0.1966



26.9445, 0.4877, 0.2869



17.4461, 0.3176, 0.3114



12.7203, 0.3963, 0.1957



1.1950, 0.3853, 0.1896

Inverse Universe

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



30.0479, 0.3678, 0.2063



27.0722, 0.3822, 0.1966



74.8585, 0.2513, 0.3894



17.4461, 0.3176, 0.3114



12.7203, 0.3963, 0.1957



1.1950, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 30.0464, 0.3678, 0.2063 looks on a white background.

Color Contrast Check

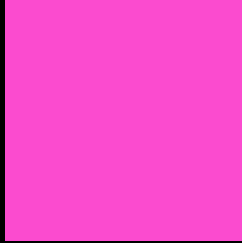
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0464, 0.3678, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

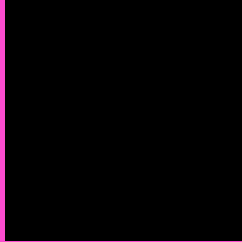
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0464, 0.3678, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 30.0464, 0.3678, 0.2063.



This preview shows how white text looks on a background with the Yxy color 30.0464, 0.3678, 0.2063.

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

30.0464, 0.3678, 0.2063

Protanopia

30.6025, 0.2072, 0.1876

Deuteranopia

30.3019, 0.2619, 0.2561



Tritanopia

29.9256, 0.4787, 0.3223

Trichromacy



Original Color

30.0464, 0.3678, 0.2063



Protanomaly

26.6739, 0.2445, 0.1819



Deuteranomaly

27.4755, 0.2946, 0.2250



Tritanomaly

29.3165, 0.4392, 0.2754

Monochromacy



Original Color

30.0464, 0.3678, 0.2063



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.6551, 0.3345, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0464, 0.3678, 0.2063 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(251, 75, 207)` looks like.

```
.text, #text, p{  
    color:rgb(251, 75, 207)  
}
```

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(251, 75, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 75, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.0464, 0.3678, 0.2063 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(251, 75, 207) }
```

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

```
.border{ border-color:rgb(251, 75, 207) }
```

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

Here you see how a box with a 4 pixel rgb(251, 75, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 75, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 75, 207);  
box-shadow:4px 4px 4px 4px rgb(251, 75,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0464, 0.3678, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 75, 207) }
```

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

```
.background{ background-color: rgb(251, 75,  
207) }
```

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