

Converting Colors

$Y_{xy}(30.0513, 0.3728, 0.2051)$

Have a look what the booklet for
Yxy(30.0513, 0.3728, 0.2051)
contains.

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Color

Yxy(30.0212, 0.3727, 0.2048)

Conversions

Conversions Part 1

Format	Color
Hex	FF45CF
RGB	255, 69, 207
RGB Percent	100%, 27%, 81%
CMY	0.0000, 0.7294, 0.1883
CMYK	0.00, 0.73, 0.19, 0.00
HSL	315°, 100%, 64%
HSV	315°, 73%, 100%
XYZ	54.6333, 30.0212, 61.9334
YIQ	140.3460, 66.5580, 82.3500

Conversions

Conversions Part 2

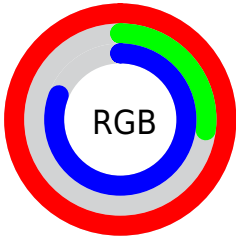
Format	Color
R _Y B	255, 69, 207
Decimal	16729551
CIE Lab	61.67, 80.93, -31.79
CIE LCh	62, 86.954, 338.554
Yxy	30.0212, 0.3727, 0.2048
Android (android.graphics.Color)	4294919631 (0xFFFF45CF)
YUV	140.3460, 32.8604, 100.5516
Hunter-Lab	54.7916, 82.0990, -28.6640

Details

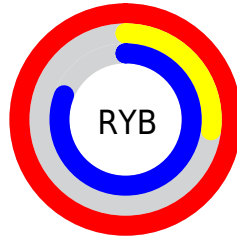
The Yxy color **30.0212, 0.3727, 0.2048** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.0696, 0.2868, 0.5128**, and the grayscale version is **26.2141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.3182, 0.2128**, and **13.7363, 0.3848, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **27.2125, 0.3834, 0.1984**, and if you desaturate by 10%, it is **34.1860, 0.3620, 0.2157**.

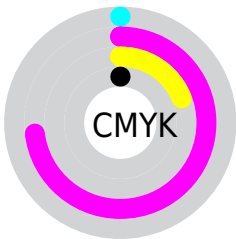
Distribution



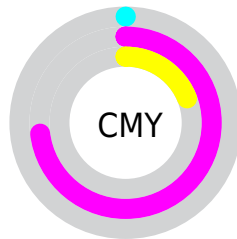
- Red (100%)
- Green (27%)
- Blue (81%)



- Red (100%)
- Yellow (27%)
- Blue (81%)



- Cyan (0%)
- Magenta (73%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0212, 0.3727, 0.2048 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 30.0212, 0.3727, 0.2048 by changing the saturation by 10% instead.


 30.0212, 0.3727,
0.2048


 30.0212, 0.3727,
0.2048


302.0033, 0.3443,
0.2634


 19.8547, 0.3792,
0.1914


 59.6957, 0.3628,
0.2252


 12.2895, 0.3873,
0.1749


 79.9725, 0.3589,
0.2332

 6.9411, 0.3973,
0.1544


 104.3881, 0.3556,
0.2400

 3.4253, 0.4102,
0.1283

 133.3270, 0.3528,
0.2459

 1.3576, 0.4267,
0.0949

167.1736, 0.3502,
0.2511

 0.1852, 0.4594,
0.0288

206.3122, 0.3480,

 0.0000, 0.4756,

0.2557

0.0000

251.1273, 0.3461,
0.2598

■ 0.0000, 0.7771,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.0212, 0.3727,
0.2048

■ 30.0212, 0.3727,
0.2048

■ 27.2125, 0.3834,
0.1984

■ 34.1860, 0.3620,
0.2157

■ 25.5790, 0.3939,
0.1969


■ 39.8661, 0.3519,
0.2304


■ 24.9414, 0.4010,
0.1983

■ 47.1927, 0.3424,
0.2476

■ 56.2840, 0.3339,
0.2664

 67.2474, 0.3264,
0.2857

 80.1817, 0.3198,
0.3050

 95.1788, 0.3142,
0.3237

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.



30.0212, 0.2396, 0.1607



30.0212, 0.3727, 0.2048



30.0212, 0.5114, 0.2710

Triad

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



30.0212, 0.3727, 0.2048



30.0212, 0.4458, 0.5279



30.0212, 0.1069, 0.2223

Complementary

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



30.0212, 0.3727, 0.2048



74.0696, 0.2868, 0.5128

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.



30.0212, 0.1381, 0.3539



30.0212, 0.3727, 0.2048



30.0212, 0.3312, 0.5919

Square

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



30.0212, 0.3727, 0.2048



30.0212, 0.5389, 0.4319



30.0212, 0.2184, 0.5271



30.0212, 0.1136, 0.1613

Rectangle

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



30.0212, 0.3727, 0.2048



30.0212, 0.5647, 0.3207



30.0212, 0.2184, 0.5271



30.0212, 0.1125, 0.2573

Sweetspot

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



30.0193, 0.3727, 0.2048



68.3829, 0.3257, 0.2876



15.1537, 0.1971, 0.1094



13.9488, 0.3276, 0.2823



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.



30.0193, 0.3727, 0.2048



26.2536, 0.3888, 0.1970



26.7645, 0.5035, 0.2898



18.2156, 0.3178, 0.3115



13.0581, 0.3994, 0.1974



1.2892, 0.3884, 0.1913

Inverse Universe

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



30.0193, 0.3727, 0.2048



26.2536, 0.3888, 0.1970



77.3635, 0.2491, 0.3881



18.2156, 0.3178, 0.3115



13.0581, 0.3994, 0.1974



1.2892, 0.3884, 0.1913

Previews

White Background



This preview shows how the Yxy color 30.0212, 0.3727, 0.2048 looks on a white background.

Color Contrast Check

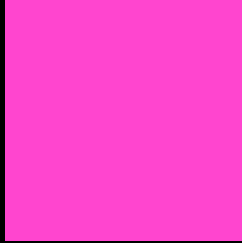
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0212, 0.3727, 0.2048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

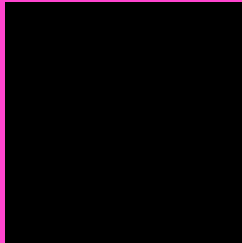
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0212, 0.3727, 0.2048

Background



This preview shows how black text looks on a background with the Yxy color 30.0212, 0.3727, 0.2048.



This preview shows how white text looks on a background with the Yxy color 30.0212, 0.3727, 0.2048.

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

30.0212, 0.3727, 0.2048

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.2562, 0.2626, 0.2573



Tritanopia

29.9617, 0.4895, 0.3236

Trichromacy



Original Color

30.0212, 0.3727, 0.2048



Protanomaly

26.2980, 0.2450, 0.1799



Deuteranomaly

27.1875, 0.2975, 0.2242



Tritanomaly

29.2677, 0.4491, 0.2761

Monochromacy



Original Color

30.0212, 0.3727, 0.2048



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.6600, 0.3374, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0212, 0.3727, 0.2048 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, 69, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 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(255, 69, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.0212, 0.3727, 0.2048 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, 69, 207) }
```

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

```
.border{ border-color:rgb(255, 69, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
207) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0212, 0.3727, 0.2048$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 207) }
```

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

```
.background{ background-color: rgb(255, 69,  
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](#).

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