

Converting Colors

$Y_{xy}(28.6653, 0.3848, 0.2077)$

Have a look what the booklet for
Yxy(28.6653, 0.3848, 0.2077)
contains.

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Color

Yxy(28.6747, 0.3850, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	FF3DC6
RGB	255, 61, 198
RGB Percent	100%, 24%, 78%
CMY	0.0000, 0.7607, 0.2236
CMYK	0.00, 0.76, 0.22, 0.00
HSL	318°, 100%, 62%
HSV	318°, 76%, 100%
XYZ	53.1013, 28.6747, 56.1494
YIQ	134.6240, 71.6470, 83.7350

Conversions

Conversions Part 2

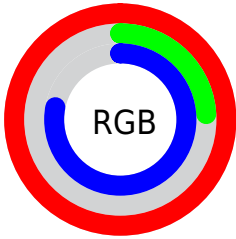
Format	Color
R _Y B	255, 61, 198
Decimal	16727494
CIE Lab	60.49, 82.09, -28.50
CIE LCh	60, 86.898, 340.856
Yxy	28.6747, 0.3850, 0.2079
Android (android.graphics.Color)	4294917574 (0xFFFF3DC6)
YUV	134.6240, 31.2444, 105.5698
Hunter-Lab	53.5488, 83.2981, -24.6854

Details

The Yxy color **28.6747, 0.3850, 0.2079** 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 **73.8213, 0.2844, 0.5126**, and the grayscale version is **23.9462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6587, 0.3184, 0.2079**, and **13.4830, 0.3994, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **26.2313, 0.3976, 0.2037**, and if you desaturate by 10%, it is **32.4284, 0.3725, 0.2169**.

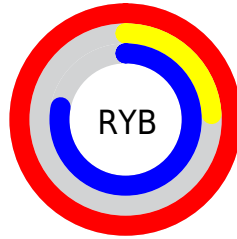
Distribution



Red (100%)

Green (24%)

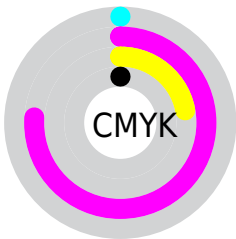
Blue (78%)



Red (100%)

Yellow (24%)

Blue (78%)

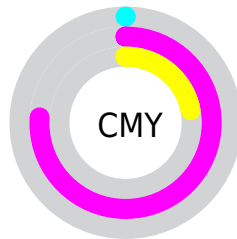


Cyan (0%)

Magenta (76%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (76%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6747, 0.3850, 0.2079 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 28.6747, 0.3850, 0.2079 by changing the saturation by 10% instead.


 28.6747, 0.3850,
0.2079


 28.6747, 0.3850,
0.2079


295.6770, 0.3497,
0.2658


 18.8349, 0.3935,
0.1944


 57.5598, 0.3724,
0.2282

 11.5510, 0.4041,
0.1778


 77.3740, 0.3676,
0.2361

 6.4387, 0.4177,
0.1569


 101.2816, 0.3635,
0.2428

 3.1137, 0.4357,
0.1300

 129.6672, 0.3600,
0.2487

 1.1914, 0.4602,
0.0953

 162.9152, 0.3569,
0.2538

 0.0546, 0.5157,
0.0103

201.4099, 0.3542,

 0.0000, 0.5451,

0.2583


0.0000


245.5357, 0.3518,
0.2623

 0.0000, 0.0000,
0.0000


 28.6747, 0.3850,
0.2079


 28.6747, 0.3850,
0.2079


 26.2313, 0.3976,
0.2037


 32.4284, 0.3725,
0.2169


 24.8958, 0.4098,
0.2045

 37.6537, 0.3605,
0.2299

 24.5571, 0.4145,
0.2057

 44.4894, 0.3494,
0.2458

 53.0581, 0.3393,
0.2634

 63.4704, 0.3304,
0.2819

 75.8276, 0.3228,
0.3004

 90.2237, 0.3162,
0.3185

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.



28.6747, 0.2473, 0.1614



28.6747, 0.3850, 0.2079



28.6747, 0.5227, 0.2757

Triad

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



28.6747, 0.3850, 0.2079



28.6747, 0.4378, 0.5366



28.6747, 0.1043, 0.2137

Complementary

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



28.6747, 0.3850, 0.2079



73.8213, 0.2844, 0.5126

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.



28.6747, 0.1319, 0.3409



28.6747, 0.3850, 0.2079



28.6747, 0.3214, 0.5966

Square

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



28.6747, 0.3850, 0.2079



28.6747, 0.5352, 0.4391



28.6747, 0.2089, 0.5189



28.6747, 0.1137, 0.1569

Rectangle

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



28.6747, 0.3850, 0.2079



28.6747, 0.5711, 0.3259



28.6747, 0.2089, 0.5189



28.6747, 0.1088, 0.2470

Sweetspot

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



28.6751, 0.3850, 0.2079



67.0569, 0.3280, 0.2876



14.2701, 0.1963, 0.1041



13.4547, 0.3309, 0.2809



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.



28.6751, 0.3850, 0.2079



25.4497, 0.4037, 0.2035



25.5789, 0.5254, 0.2963



18.2040, 0.3183, 0.3124



12.8590, 0.4126, 0.2047



1.2712, 0.3996, 0.1975

Inverse Universe

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



28.6751, 0.3850, 0.2079



25.4497, 0.4037, 0.2035



77.3150, 0.2457, 0.3823



18.2040, 0.3183, 0.3124



12.8590, 0.4126, 0.2047



1.2712, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 28.6747, 0.3850, 0.2079 looks on a white background.

Color Contrast Check

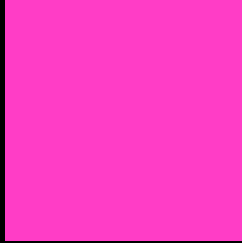
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6747, 0.3850, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

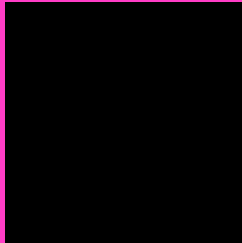
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6747, 0.3850, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 28.6747, 0.3850, 0.2079.



This preview shows how white text looks on a background with the Yxy color 28.6747, 0.3850, 0.2079.

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

28.6747, 0.3850, 0.2079

Protanopia

29.2978, 0.2031, 0.1826

Deuteranopia

28.7217, 0.2697, 0.2631



Tritanopia

28.6804, 0.5053, 0.3249

Trichromacy



Original Color

28.6747, 0.3850, 0.2079



Protanomaly

24.5231, 0.2435, 0.1762



Deuteranomaly

25.3956, 0.3064, 0.2265



Tritanomaly

28.1078, 0.4644, 0.2788

Monochromacy



Original Color

28.6747, 0.3850, 0.2079



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.7775, 0.3421, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6747, 0.3850, 0.2079 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, 61, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 198)  
}
```

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, 61, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 198) }
```

Border

The CSS property to change the border of an element to Yxy 28.6747, 0.3850, 0.2079 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, 61, 198) }
```

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

```
.border{ border-color:rgb(255, 61, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6747, 0.3850, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 198) }
```

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

```
.background{ background-color: rgb(255, 61,  
198) }
```

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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