

Converting Colors

$Y_{xy}(35.1948, 0.4132, 0.2180)$

Have a look what the booklet for
Yxy(35.1948, 0.4132, 0.2180)
contains.

Yxy(28.3042, 0.3791, 0.2010)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.3042, 0.3791, 0.2010)

Conversions

Conversions Part 1

Format	Color
Hex	FF37CB
RGB	255, 55, 203
RGB Percent	100%, 22%, 80%
CMY	0.0000, 0.7842, 0.2040
CMYK	0.00, 0.78, 0.20, 0.00
HSL	316°, 100%, 61%
HSV	316°, 78%, 100%
XYZ	53.3837, 28.3042, 59.1290
YIQ	131.6720, 71.6920, 88.4280

Conversions

Conversions Part 2

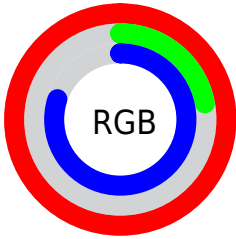
Format	Color
R _Y B	255, 55, 203
Decimal	16725963
CIE Lab	60.16, 84.25, -31.86
CIE LCh	60, 90.069, 339.287
Yxy	28.3042, 0.3791, 0.2010
Android (android.graphics.Color)	4294916043 (0xFFFF37CB)
YUV	131.6720, 35.1647, 108.1587
Hunter-Lab	53.2017, 86.0077, -28.6545

Details

The Yxy color **28.3042, 0.3791, 0.2010** 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 **73.3955, 0.2870, 0.5266**, and the grayscale version is **22.8055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6459, 0.3185, 0.2047**, and **13.6075, 0.3920, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **26.1652, 0.3898, 0.1973**, and if you desaturate by 10%, it is **31.7075, 0.3683, 0.2095**.

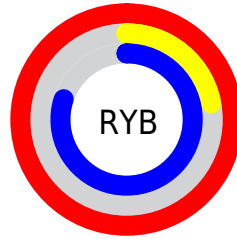
Distribution



Red (100%)

Green (22%)

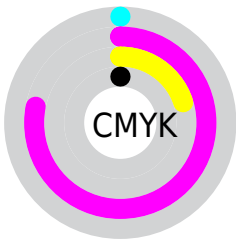
Blue (80%)



Red (100%)

Yellow (22%)

Blue (80%)

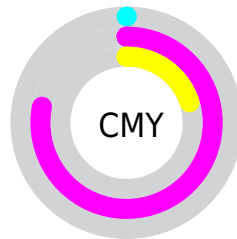


Cyan (0%)

Magenta (78%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (78%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3042, 0.3791, 0.2010 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 28.3042, 0.3791, 0.2010 by changing the saturation by 10% instead.

 28.3042, 0.3791,
0.2010


 28.3042, 0.3791,
0.2010


293.9177, 0.3473,
0.2617


 18.5551, 0.3865,
0.1871


 56.9697, 0.3679,
0.2222

 11.3492, 0.3957,
0.1700


 76.6550, 0.3636,
0.2304

 6.3023, 0.4073,
0.1486


 100.4210, 0.3599,
0.2375

 3.0297, 0.4222,
0.1215

 128.6523, 0.3567,
0.2436

 1.1473, 0.4416,
0.0871

 161.7332, 0.3539,
0.2490

 0.0180, 0.4873,
0.0032

200.0482, 0.3514,

 0.0000, 0.4979,

0.2537


0.0000


243.9815, 0.3492,
0.2579


 0.0000, 0.0000,
0.0000

 28.3042, 0.3791,
0.2010


 28.3042, 0.3791,
0.2010


 26.1652, 0.3898,
0.1973


 31.7075, 0.3683,
0.2095

 25.0518, 0.4002,
0.1983

 36.5428, 0.3577,
0.2222

 24.9190, 0.4018,
0.1987

 42.9541, 0.3477,
0.2381

 51.0670, 0.3386,
0.2561

 60.9947, 0.3305,
0.2752

72.8403, 0.3233,
0.2946

86.6993, 0.3172,
0.3136

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.



28.3042, 0.2385, 0.1552



28.3042, 0.3791, 0.2010



28.3042, 0.5248, 0.2691

Triad

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



28.3042, 0.3791, 0.2010



28.3042, 0.4445, 0.5358



28.3042, 0.0993, 0.2138

Complementary

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



28.3042, 0.3791, 0.2010



73.3955, 0.2870, 0.5266

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.



28.3042, 0.1289, 0.3496



28.3042, 0.3791, 0.2010



28.3042, 0.3252, 0.6066

Square

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



28.3042, 0.3791, 0.2010



28.3042, 0.5444, 0.4338



28.3042, 0.2095, 0.5366



28.3042, 0.1074, 0.1535

Rectangle

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



28.3042, 0.3791, 0.2010



28.3042, 0.5783, 0.3196



28.3042, 0.2095, 0.5366



28.3042, 0.1043, 0.2492

Sweetspot

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



28.3048, 0.3791, 0.2010



65.9911, 0.3272, 0.2838



12.9588, 0.1884, 0.0967



13.2569, 0.3298, 0.2769



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.



28.3048, 0.3791, 0.2010



25.4440, 0.3956, 0.1974



25.0148, 0.5252, 0.2909



18.2149, 0.3178, 0.3116



13.0465, 0.4002, 0.1978



1.2882, 0.3891, 0.1917

Inverse Universe

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



28.3048, 0.3791, 0.2010



25.4440, 0.3956, 0.1974



76.7409, 0.2478, 0.3933



18.2149, 0.3178, 0.3116



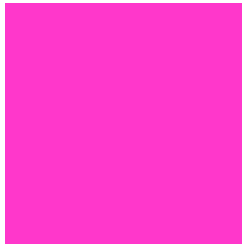
13.0465, 0.4002, 0.1978



1.2882, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 28.3042, 0.3791, 0.2010 looks on a white background.

Color Contrast Check

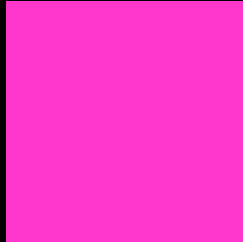
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3042, 0.3791, 0.2010 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 28.3042, 0.3791, 0.2010

Background



This preview shows how black text looks on a background with the Yxy color 28.3042, 0.3791, 0.2010.



This preview shows how white text looks on a background with the Yxy color 28.3042, 0.3791, 0.2010.

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

28.3042, 0.3791, 0.2010

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.4748, 0.2623, 0.2570



Tritanopia

28.1290, 0.5072, 0.3240

Trichromacy



Original Color

28.3042, 0.3791, 0.2010



Protanomaly

23.8834, 0.2409, 0.1709



Deuteranomaly

24.7740, 0.2992, 0.2187



Tritanomaly

27.5093, 0.4632, 0.2752

Monochromacy



Original Color

28.3042, 0.3791, 0.2010



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7164, 0.3403, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3042, 0.3791, 0.2010 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, 55, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 203)  
}
```

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, 55, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 203) }
```

Border

The CSS property to change the border of an element to Yxy 28.3042, 0.3791, 0.2010 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, 55, 203) }
```

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

```
.border{ border-color:rgb(255, 55, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 55, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 55,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3042, 0.3791, 0.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 203) }
```

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

```
.background{ background-color: rgb(255, 55,  
203) }
```

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