

Converting Colors

$Y_{xy}(29.2358, 0.3767, 0.2041)$

Have a look what the booklet for
Yxy(29.2358, 0.3767, 0.2041)
contains.

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Color

Yxy(29.2864, 0.3769, 0.2045)

Conversions

Conversions Part 1

Format	Color
Hex	FF40CC
RGB	255, 64, 204
RGB Percent	100%, 25%, 80%
CMY	0.0000, 0.7490, 0.1999
CMYK	0.00, 0.75, 0.20, 0.00
HSL	316°, 100%, 63%
HSV	316°, 75%, 100%
XYZ	53.9758, 29.2864, 59.9476
YIQ	137.0690, 68.8960, 84.0320

Conversions

Conversions Part 2

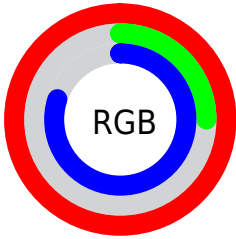
Format	Color
R _Y B	255, 64, 204
Decimal	16728268
CIE _{Lab}	61.03, 82.01, -31.10
CIE _{LCh}	61, 87.713, 339.230
Yxy	29.2864, 0.3769, 0.2045
Android (android.graphics.Color)	4294918348 (0xFFFF40CC)
YUV	137.0690, 32.9970, 103.4255
Hunter-Lab	54.1169, 83.3299, -27.7962

Details

The Yxy color **29.2864, 0.3769, 0.2045** 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 **73.8470, 0.2862, 0.5160**, and the grayscale version is **24.8964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1805, 0.3183, 0.2095**, and **13.6393, 0.3902, 0.1923** is the 20% darker color. If you saturate the color by 10%, you get **26.7192, 0.3880, 0.1992**, and if you desaturate by 10%, it is **33.1819, 0.3658, 0.2145**.

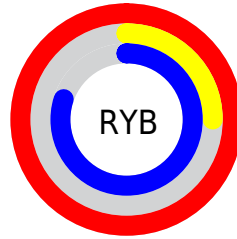
Distribution



Red (100%)

Green (25%)

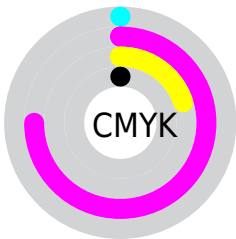
Blue (80%)



Red (100%)

Yellow (25%)

Blue (80%)

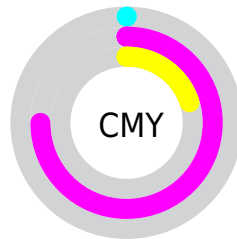


Cyan (0%)

Magenta (75%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2864, 0.3769, 0.2045 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 29.2864, 0.3769, 0.2045 by changing the saturation by 10% instead.


 29.2864, 0.3769,
0.2045


 29.2864, 0.3769,
0.2045


298.5639, 0.3462,
0.2635


 19.2976, 0.3841,
0.1909


 58.5318, 0.3661,
0.2251


 11.8855, 0.3929,
0.1743


 78.5572, 0.3619,
0.2331


 6.6658, 0.4041,
0.1534


 102.6969, 0.3584,
0.2400

 3.2540, 0.4185,
0.1269

 131.3353, 0.3553,
0.2459

 1.2657, 0.4374,
0.0930

 164.8568, 0.3526,
0.2511

 0.1144, 0.4775,
0.0191

203.6458, 0.3502,

 0.0000, 0.4950,

0.2557

0.0000

248.0867, 0.3481,
0.2599

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.2864, 0.3769,
0.2045

■ 29.2864, 0.3769,
0.2045

■ 26.7192, 0.3880,
0.1992

■ 33.1819, 0.3658,
0.2145


■ 25.2833, 0.3989,
0.1988


■ 38.5630, 0.3551,
0.2283


■ 24.8453, 0.4043,
0.2001

■ 45.5668, 0.3452,
0.2450

■ 54.3139, 0.3361,
0.2633

 64.9138, 0.3282,
0.2825

 77.4669, 0.3212,
0.3016

 92.0661, 0.3153,
0.3202

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.



29.2864, 0.2409, 0.1595



29.2864, 0.3769, 0.2045



29.2864, 0.5172, 0.2715

Triad

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



29.2864, 0.3769, 0.2045



29.2864, 0.4438, 0.5317



29.2864, 0.1044, 0.2183

Complementary

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



29.2864, 0.3769, 0.2045



73.8470, 0.2862, 0.5160

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.



29.2864, 0.1344, 0.3500



29.2864, 0.3769, 0.2045



29.2864, 0.3277, 0.5966

Square

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



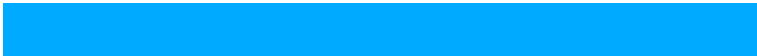
29.2864, 0.3769, 0.2045



29.2864, 0.5396, 0.4340



29.2864, 0.2142, 0.5278



29.2864, 0.1120, 0.1583

Rectangle

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



29.2864, 0.3769, 0.2045



29.2864, 0.5695, 0.3216



29.2864, 0.2142, 0.5278



29.2864, 0.1096, 0.2531

Sweetspot

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



29.2869, 0.3769, 0.2045



68.3537, 0.3261, 0.2880



14.5263, 0.1960, 0.1057



13.9419, 0.3280, 0.2828



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.



29.2869, 0.3769, 0.2045



25.8605, 0.3936, 0.1984



26.0209, 0.5160, 0.2931



18.2127, 0.3179, 0.3117



13.0083, 0.4026, 0.1991



1.2847, 0.3911, 0.1928

Inverse Universe

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



29.2869, 0.3769, 0.2045



25.8605, 0.3936, 0.1984



77.2845, 0.2473, 0.3856



18.2127, 0.3179, 0.3117



13.0083, 0.4026, 0.1991



1.2847, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 29.2864, 0.3769, 0.2045 looks on a white background.

Color Contrast Check

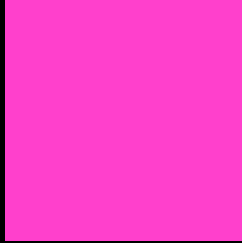
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2864, 0.3769, 0.2045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

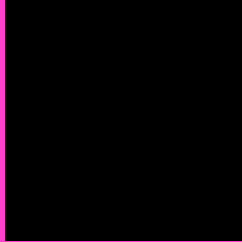
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2864, 0.3769, 0.2045

Background



This preview shows how black text looks on a background with the Yxy color 29.2864, 0.3769, 0.2045.

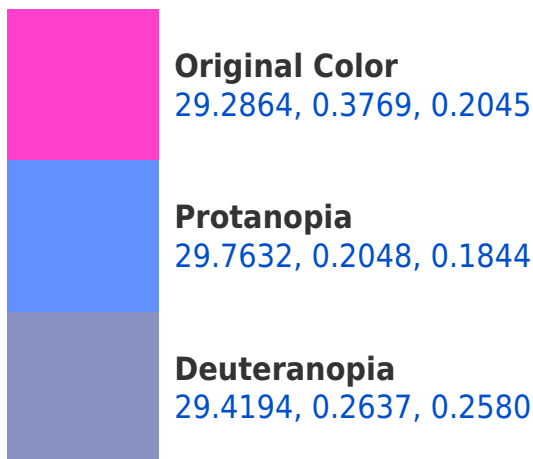


This preview shows how white text looks on a background with the Yxy color 29.2864, 0.3769, 0.2045.

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





Tritanopia

29.1215, 0.4973, 0.3238

Trichromacy



Original Color

29.2864, 0.3769, 0.2045



Protanomaly

25.2862, 0.2442, 0.1775



Deuteranomaly

26.2253, 0.2994, 0.2234



Tritanomaly

28.5302, 0.4549, 0.2759

Monochromacy



Original Color

29.2864, 0.3769, 0.2045



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.4284, 0.3393, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2864, 0.3769, 0.2045 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, 64, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 204)  
}
```

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, 64, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 204) }
```

Border

The CSS property to change the border of an element to Yxy 29.2864, 0.3769, 0.2045 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, 64, 204) }
```

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

```
.border{ border-color:rgb(255, 64, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2864, 0.3769, 0.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 204) }
```

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

```
.background{ background-color: rgb(255, 64,  
204) }
```

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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