

Converting Colors

$Y_{xy}(30.6019, 0.3691, 0.2047)$

Have a look what the booklet for
Yxy(30.6019, 0.3691, 0.2047)
contains.

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Color

Yxy(30.6782, 0.3686, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	FF49D2
RGB	255, 73, 210
RGB Percent	100%, 29%, 82%
CMY	0.0000, 0.7139, 0.1764
CMYK	0.00, 0.71, 0.18, 0.00
HSL	315°, 100%, 64%
HSV	315°, 71%, 100%
XYZ	55.2687, 30.6782, 63.9954
YIQ	143.0360, 64.4950, 81.1910

Conversions

Conversions Part 2

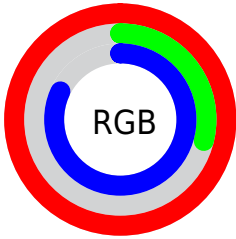
Format	Color
RYB	255, 73, 210
Decimal	16730578
CIELab	62.24, 80.11, -32.64
CIELCh	62, 86.509, 337.832
Yxy	30.6782, 0.3686, 0.2046
Android (android.graphics.Color)	4294920658 (0xFFFF49D2)
YUV	143.0360, 33.0133, 98.1924
Hunter-Lab	55.3879, 81.1871, -29.7323

Details

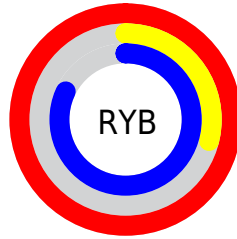
The Yxy color **30.6782, 0.3686, 0.2046** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.2404, 0.2876, 0.5111**, and the grayscale version is **27.3163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **13.8359, 0.3796, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **27.6749, 0.3787, 0.1972**, and if you desaturate by 10%, it is **35.0530, 0.3585, 0.2163**.

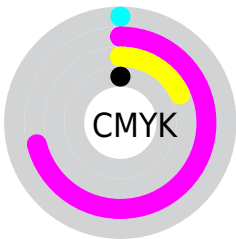
Distribution



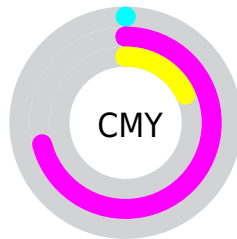
- Red (100%)
- Green (29%)
- Blue (82%)



- Red (100%)
- Yellow (29%)
- Blue (82%)



- Cyan (0%)
- Magenta (71%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6782, 0.3686, 0.2046 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 30.6782, 0.3686, 0.2046 by changing the saturation by 10% instead.


 30.6782, 0.3686,
0.2046


 30.6782, 0.3686,
0.2046


305.0530, 0.3424,
0.2631

 20.3539, 0.3745,
0.1913


 60.7331, 0.3595,
0.2249

 12.6526, 0.3818,
0.1750


 81.2325, 0.3560,
0.2328

 7.1898, 0.3907,
0.1546


 105.8923, 0.3530,
0.2396

 3.5811, 0.4021,
0.1289

 135.0971, 0.3503,
0.2456

 1.4421, 0.4163,
0.0961

169.2312, 0.3480,
0.2508

 0.2474, 0.4426,
0.0360

208.6789, 0.3459,

 0.0000, 0.4565,

0.2553

0.0000

253.8248, 0.3441,
0.2594

■ 0.0000, 0.3805,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.6782, 0.3686,
0.2046

■ 30.6782, 0.3686,
0.2046

■ 27.6749, 0.3787,
0.1972

■ 35.0530, 0.3585,
0.2163

■ 25.8822, 0.3887,
0.1948

■ 40.9683, 0.3489,
0.2316

■ 25.0658, 0.3970,
0.1961

■ 48.5481, 0.3400,
0.2494

■ 57.9087, 0.3319,
0.2685

69.1561, 0.3248,
0.2882

82.3878, 0.3187,
0.3077

97.6949, 0.3134,
0.3265

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.



30.6782, 0.2378, 0.1614



30.6782, 0.3686, 0.2046



30.6782, 0.5064, 0.2701

Triad

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



30.6782, 0.3686, 0.2046



30.6782, 0.4479, 0.5244



30.6782, 0.1088, 0.2259

Complementary

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



30.6782, 0.3686, 0.2046



74.2404, 0.2876, 0.5111

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.



30.6782, 0.1411, 0.3579



30.6782, 0.3686, 0.2046



30.6782, 0.3346, 0.5884

Square

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



30.6782, 0.3686, 0.2046



30.6782, 0.5389, 0.4297



30.6782, 0.2222, 0.5276



30.6782, 0.1146, 0.1637

Rectangle

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



30.6782, 0.3686, 0.2046



30.6782, 0.5608, 0.3195



30.6782, 0.2222, 0.5276



30.6782, 0.1147, 0.2612

Sweetspot

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



30.6718, 0.3686, 0.2046



69.6404, 0.3246, 0.2890



15.6511, 0.1977, 0.1123



14.1950, 0.3264, 0.2835



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.



30.6718, 0.3686, 0.2046



26.7123, 0.3834, 0.1955



27.4101, 0.4929, 0.2868



18.2192, 0.3176, 0.3113



13.1225, 0.3954, 0.1952



1.2950, 0.3851, 0.1895

Inverse Universe

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



30.6718, 0.3686, 0.2046



26.7123, 0.3834, 0.1955



77.4124, 0.2509, 0.3907



18.2192, 0.3176, 0.3113



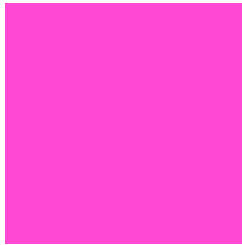
13.1225, 0.3954, 0.1952



1.2950, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 30.6782, 0.3686, 0.2046 looks on a white background.

Color Contrast Check

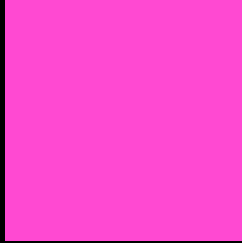
Large Text (above 18pt) WCAG AA × Fail

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 30.6782, 0.3686, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

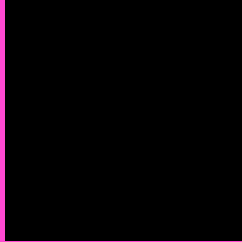
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6782, 0.3686, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 30.6782, 0.3686, 0.2046.



This preview shows how white text looks on a background with the Yxy color 30.6782, 0.3686, 0.2046.

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

30.6782, 0.3686, 0.2046

Protanopia

31.0305, 0.2085, 0.1892

Deuteranopia

30.7923, 0.2615, 0.2552



Tritanopia

30.6192, 0.4836, 0.3235

Trichromacy



Original Color

30.6782, 0.3686, 0.2046



Protanomaly

27.0359, 0.2463, 0.1820



Deuteranomaly

27.8103, 0.2948, 0.2235



Tritanomaly

30.0438, 0.4433, 0.2765

Monochromacy



Original Color

30.6782, 0.3686, 0.2046



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.9372, 0.3357, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6782, 0.3686, 0.2046 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, 73, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 210)  
}
```

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, 73, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 210) }
```

Border

The CSS property to change the border of an element to Yxy 30.6782, 0.3686, 0.2046 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, 73, 210) }
```

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

```
.border{ border-color:rgb(255, 73, 210) }
```

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

Here you see how a box with a 4 pixel rgb(255, 73, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6782, 0.3686, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 210) }
```

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

```
.background{ background-color: rgb(255, 73,  
210) }
```

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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