

Converting Colors

Yxy(30.7046, 0.3626, 0.2121)

Have a look what the booklet for
Yxy(30.7046, 0.3626, 0.2121)
contains.

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Color

Yxy(30.7046, 0.3626, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	F656CE
RGB	246, 86, 206
RGB Percent	96%, 34%, 81%
CMY	0.0351, 0.6630, 0.1921
CMYK	0.00, 0.65, 0.16, 0.04
HSL	315°, 90%, 65%
HSV	315°, 65%, 96%
XYZ	52.4917, 30.7046, 61.5684
YIQ	147.5200, 56.8400, 71.2400

Conversions

Conversions Part 2

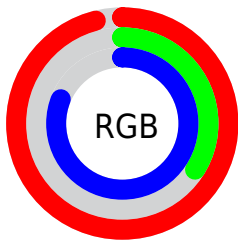
Format	Color
R _Y B	246, 86, 206
Decimal	16144078
CIE _{Lab}	62.26, 72.91, -30.46
CIE _{LCh}	62, 79.014, 337.326
Yxy	30.7046, 0.3626, 0.2121
Android (android.graphics.Color)	4294334158 (0xFFFF656CE)
YUV	147.5200, 28.8306, 86.3670
Hunter-Lab	55.4117, 72.1230, -27.0894

Details

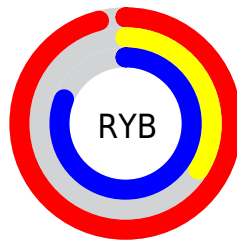
The Yxy color **30.7046, 0.3626, 0.2121** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **69.4277, 0.2877, 0.4924**, and the grayscale version is **29.2564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **12.6735, 0.3751, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **27.1404, 0.3729, 0.2019**, and if you desaturate by 10%, it is **35.6348, 0.3527, 0.2262**.

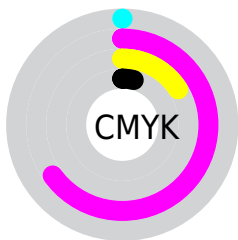
Distribution



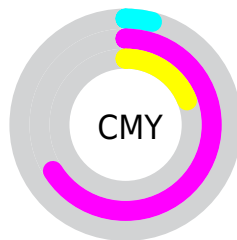
- Red (96%)
- Green (34%)
- Blue (81%)



- Red (96%)
- Yellow (34%)
- Blue (81%)



- Cyan (0%)
- Magenta (65%)
- Yellow (16%)
- Black (4%)




- Cyan (4%)
- Magenta (66%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7046, 0.3626, 0.2121 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 30.7046, 0.3626, 0.2121 by changing the saturation by 10% instead.

 30.7046, 0.3626,
0.2121


 30.7046, 0.3626,
0.2121


305.1751, 0.3391,
0.2677

 20.3740, 0.3680,
0.1993


 60.7747, 0.3544,
0.2316


 12.6672, 0.3745,
0.1834

 81.2830, 0.3513,
0.2391

 7.1998, 0.3827,
0.1635


 105.9526, 0.3485,
0.2455

 3.5874, 0.3931,
0.1379

 135.1680, 0.3461,
0.2511

 1.4455, 0.4063,
0.1046

169.3136, 0.3441,
0.2560

 0.2499, 0.4320,
0.0407

208.7737, 0.3422,

 0.0000, 0.4442,

0.2604


0.0000


253.9327, 0.3406,
0.2642


 0.0000, 0.0000,
0.0000


 30.7046, 0.3626,
0.2121


 30.7046, 0.3626,
0.2121


 27.1404, 0.3729,
0.2019

 35.6348, 0.3527,
0.2262


 24.7919, 0.3831,
0.1963


 42.0516, 0.3434,
0.2431


 23.4815, 0.3931,
0.1956

 50.0674, 0.3350,
0.2617


 23.0867, 0.3979,
0.1966

 59.7824, 0.3274,
0.2812

 71.2888, 0.3209,
0.3007

 84.6719, 0.3153,
0.3197

 97.9683, 0.3106,
0.3347

 98.3433, 0.3072,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7046, 0.2423, 0.1711



30.7046, 0.3626, 0.2121



30.7046, 0.4885, 0.2746

Triad

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



30.7046, 0.3626, 0.2121



30.7046, 0.4455, 0.5133



30.7046, 0.1213, 0.2369

Complementary

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



30.7046, 0.3626, 0.2121



69.4277, 0.2877, 0.4924

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.



30.7046, 0.1546, 0.3595



30.7046, 0.3626, 0.2121



30.7046, 0.3398, 0.5661

Square

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



30.7046, 0.3626, 0.2121



30.7046, 0.5270, 0.4278



30.7046, 0.2332, 0.5094



30.7046, 0.1256, 0.1756

Rectangle

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



30.7046, 0.3626, 0.2121



30.7046, 0.5403, 0.3224



30.7046, 0.2332, 0.5094



30.7046, 0.1277, 0.2706

Sweetspot

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



30.7061, 0.3626, 0.2121



70.8715, 0.3240, 0.2911



17.7358, 0.2109, 0.1309



14.4339, 0.3259, 0.2856



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.



30.7061, 0.3626, 0.2121



28.5190, 0.3760, 0.1997



27.7541, 0.4720, 0.2904



16.6933, 0.3176, 0.3114



12.3399, 0.3963, 0.1957



1.1009, 0.3848, 0.1893

Inverse Universe

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



30.7061, 0.3626, 0.2121



28.5190, 0.3760, 0.1997



72.3797, 0.2521, 0.3806



16.6933, 0.3176, 0.3114



12.3399, 0.3963, 0.1957



1.1009, 0.3848, 0.1893

Previews

White Background



This preview shows how the Yxy color 30.7046, 0.3626, 0.2121 looks on a white background.

Color Contrast Check

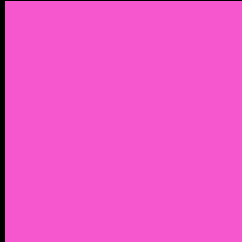
Large Text (above 18pt) WCAG AA × Fail

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 30.7046, 0.3626, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

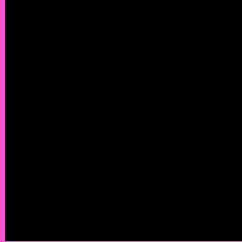
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7046, 0.3626, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 30.7046, 0.3626, 0.2121.



This preview shows how white text looks on a background with the Yxy color 30.7046, 0.3626, 0.2121.

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

30.7046, 0.3626, 0.2121

Protanopia

31.0907, 0.2089, 0.1893

Deuteranopia

30.8281, 0.2653, 0.2593



Tritanopia

30.6370, 0.4620, 0.3209

Trichromacy



Original Color

30.7046, 0.3626, 0.2121



Protanomaly

27.8496, 0.2459, 0.1885



Deuteranomaly

28.4211, 0.2956, 0.2311



Tritanomaly

30.2101, 0.4265, 0.2775

Monochromacy



Original Color

30.7046, 0.3626, 0.2121



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

27.7222, 0.3324, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7046, 0.3626, 0.2121 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(246, 86, 206)` looks like.

```
.text, #text, p{  
    color:rgb(246, 86, 206)  
}
```

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(246, 86, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 86, 206) }
```

Border

The CSS property to change the border of an element to Yxy 30.7046, 0.3626, 0.2121 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(246, 86, 206) }
```

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

```
.border{ border-color:rgb(246, 86, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 86, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 86, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 86, 206);  
box-shadow:4px 4px 4px 4px rgb(246, 86,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7046, 0.3626, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 86, 206) }
```

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

```
.background{ background-color: rgb(246, 86,  
206) }
```

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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