

Converting Colors

$Y_{xy}(30.2802, 0.3438, 0.2001)$

Have a look what the booklet for
Yxy(30.2802, 0.3438, 0.2001)
contains.

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Color

Yxy(30.3661, 0.3446, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	F156D9
RGB	241, 86, 217
RGB Percent	95%, 34%, 85%
CMY	0.0551, 0.6625, 0.1491
CMYK	0.00, 0.64, 0.10, 0.06
HSL	309°, 85%, 64%
HSV	309°, 64%, 94%
XYZ	52.1123, 30.3661, 68.7472
YIQ	147.2790, 50.3290, 73.6010

Conversions

Conversions Part 2

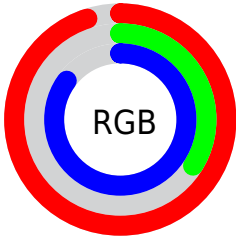
Format	Color
R _{YB}	241, 86, 217
Decimal	15816409
CIE _{Lab}	61.97, 73.16, -37.15
CIE _{LCh}	62, 82.052, 333.080
Yxy	30.3661, 0.3446, 0.2008
Android (android.graphics.Color)	4294006489 (0xFFFF156D9)
YUV	147.2790, 34.3725, 82.1933
Hunter-Lab	55.1054, 72.3701, -35.3938

Details

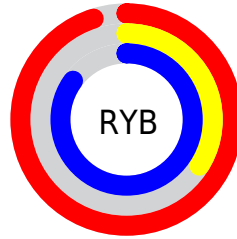
The Yxy color **30.3661, 0.3446, 0.2008** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **65.9883, 0.2940, 0.5092**, and the grayscale version is **29.1488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **12.4541, 0.3492, 0.1700** is the 20% darker color. If you saturate the color by 10%, you get **26.9514, 0.3506, 0.1889**, and if you desaturate by 10%, it is **35.0846, 0.3386, 0.2165**.

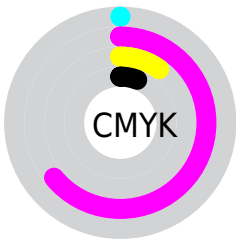
Distribution



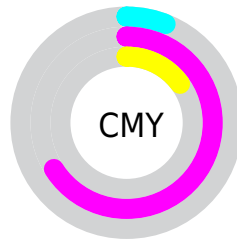
- Red (95%)
- Green (34%)
- Blue (85%)



- Red (95%)
- Yellow (34%)
- Blue (85%)



- Cyan (0%)
- Magenta (64%)
- Yellow (10%)
- Black (6%)





- Cyan (6%)
- Magenta (66%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3661, 0.3446, 0.2008 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 30.3661, 0.3446, 0.2008 by changing the saturation by 10% instead.


 30.3661, 0.3446,
0.2008


 30.3661, 0.3446,
0.2008


303.6072, 0.3310,
0.2609


 20.1166, 0.3472,
0.1872


 60.2407, 0.3402,
0.2216


 12.4799, 0.3502,
0.1705

 80.6346, 0.3384,
0.2298

 7.0714, 0.3535,
0.1499


 105.1787, 0.3368,
0.2368

 3.5068, 0.3567,
0.1239

 134.2575, 0.3354,
0.2429

 1.4017, 0.3590,
0.0910

168.2554, 0.3341,
0.2482

 0.2180, 0.3649,
0.0306

207.5567, 0.3330,


 0.0000, 0.3450,


0.2529


0.0000


252.5458, 0.3320,
0.2571


 0.0000, 0.0000,
0.0000


 30.3661, 0.3446,
0.2008


 30.3661, 0.3446,
0.2008


 26.9514, 0.3506,
0.1889


 35.0846, 0.3386,
0.2165


 24.6998, 0.3565,
0.1815


 41.2200, 0.3328,
0.2352

 23.4463, 0.3621,
0.1786


 48.8780, 0.3274,
0.2558


 23.0350, 0.3652,
0.1785

 58.1531, 0.3225,
0.2773

 69.1321, 0.3181,
0.2990

 81.8957, 0.3142,
0.3202

 96.5193, 0.3109,
0.3405

 96.9153, 0.3087,
0.3370

 97.1476, 0.3066,
0.3333

Harmonies

Analogous

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



30.3661, 0.2252, 0.1628



30.3661, 0.3446, 0.2008



30.3661, 0.4795, 0.2622

Triad

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



30.3661, 0.3446, 0.2008



30.3661, 0.4618, 0.5055



30.3661, 0.1179, 0.2464

Complementary

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



30.3661, 0.3446, 0.2008



65.9883, 0.2940, 0.5092

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.



30.3661, 0.1574, 0.3831



30.3661, 0.3446, 0.2008



30.3661, 0.3545, 0.5728

Square

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



30.3661, 0.3446, 0.2008



30.3661, 0.5413, 0.4158



30.3661, 0.2437, 0.5354



30.3661, 0.1178, 0.1761

Rectangle

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



30.3661, 0.3446, 0.2008



30.3661, 0.5413, 0.3101



30.3661, 0.2437, 0.5354



30.3661, 0.1260, 0.2845

Sweetspot

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



30.3676, 0.3446, 0.2008



72.4144, 0.3201, 0.2887



16.2854, 0.2015, 0.1284



14.7478, 0.3214, 0.2824



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.



30.3676, 0.3446, 0.2008



29.7673, 0.3524, 0.1862



27.2605, 0.4459, 0.2741



15.9869, 0.3162, 0.3093



12.5139, 0.3643, 0.1781



1.0523, 0.3577, 0.1744

Inverse Universe

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



30.3676, 0.3446, 0.2008



29.7673, 0.3524, 0.1862



68.4384, 0.2595, 0.4016



15.9869, 0.3162, 0.3093



12.5139, 0.3643, 0.1781



1.0523, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 30.3661, 0.3446, 0.2008 looks on a white background.

Color Contrast Check

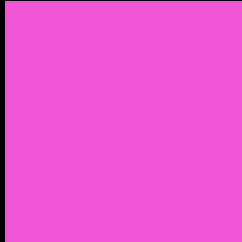
Large Text (above 18pt) WCAG AA × Fail

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 30.3661, 0.3446, 0.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

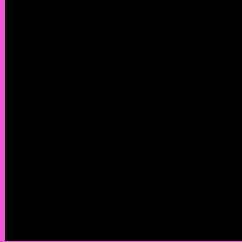
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3661, 0.3446, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 30.3661, 0.3446, 0.2008.

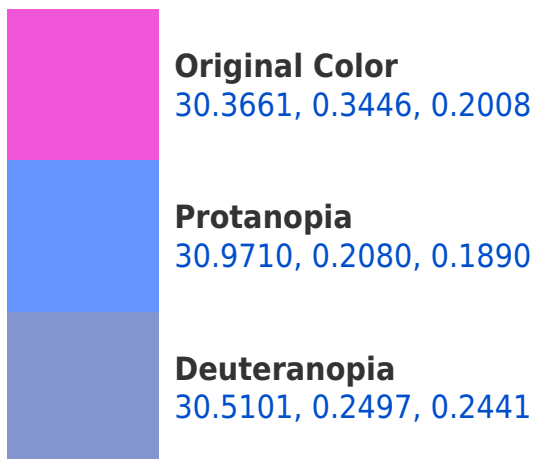


This preview shows how white text looks on a background with the Yxy color 30.3661, 0.3446, 0.2008.

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

30.1797, 0.4493, 0.3205

Trichromacy



Original Color

30.3661, 0.3446, 0.2008



Protanomaly

27.7904, 0.2410, 0.1843



Deuteranomaly

28.0283, 0.2781, 0.2172



Tritanomaly

29.7630, 0.4113, 0.2713

Monochromacy



Original Color

30.3661, 0.3446, 0.2008



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4695, 0.3258, 0.2645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3661, 0.3446, 0.2008 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(241, 86, 217)` looks like.

```
.text, #text, p{  
    color:rgb(241, 86, 217)  
}
```

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(241, 86, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 86, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.3661, 0.3446, 0.2008 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(241, 86, 217) }
```

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

```
.border{ border-color:rgb(241, 86, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 86, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 86, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 86, 217);  
box-shadow:4px 4px 4px 4px rgb(241, 86,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3661, 0.3446, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 86, 217) }
```

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

```
.background{ background-color: rgb(241, 86,  
217) }
```

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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