

Converting Colors

$Y_{xy}(40.3963, 0.3086, 0.2038)$

Have a look what the booklet for
Yxy(40.3963, 0.3086, 0.2038)
contains.

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Color

Yxy(40.3963, 0.3086, 0.2038)

Conversions

Conversions Part 1

Format	Color
Hex	F17DFC
RGB	241, 125, 252
RGB Percent	95%, 49%, 99%
CMY	0.0550, 0.5097, 0.0119
CMYK	0.04, 0.50, 0.00, 0.01
HSL	295°, 95%, 74%
HSV	295°, 50%, 99%
XYZ	61.1693, 40.3963, 96.6498
YIQ	174.1620, 28.3690, 64.0890

Conversions

Conversions Part 2

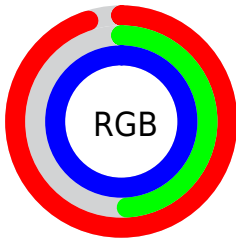
Format	Color
R _Y B	241, 125, 252
Decimal	15826428
CIE Lab	69.75, 62.07, -44.36
CIE LCh	70, 76.295, 324.445
Yxy	40.3963, 0.3086, 0.2038
Android (android.graphics.Color)	4294016508 (0xFFFF17DFC)
YUV	174.1620, 38.3741, 58.6169
Hunter-Lab	63.5581, 60.5645, -45.6689

Details

The Yxy color **40.3963, 0.3086, 0.2038** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.3260, 0.3108, 0.4875**, and the grayscale version is **42.2070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **18.1415, 0.3039, 0.1763** is the 20% darker color. If you saturate the color by 10%, you get **34.4231, 0.3070, 0.1834**, and if you desaturate by 10%, it is **47.9956, 0.3099, 0.2270**.

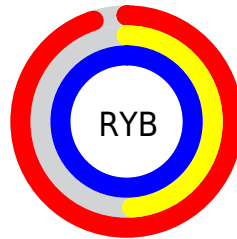
Distribution



Red (95%)

Green (49%)

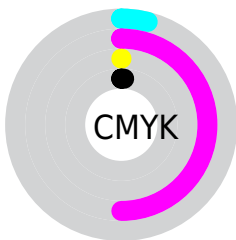
Blue (99%)



Red (95%)

Yellow (49%)

Blue (99%)

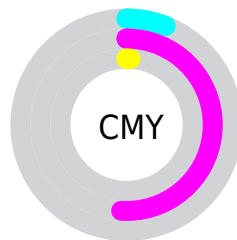


Cyan (4%)

Magenta (50%)

Yellow (0%)

Black (1%)



Cyan (6%)


Magenta (51%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3963, 0.3086, 0.2038 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 40.3963, 0.3086, 0.2038 by changing the saturation by 10% instead.


 40.3963, 0.3086,
0.2038


 40.3963, 0.3086,
0.2038


347.7911, 0.3131,
0.2601


 27.8477, 0.3069,
0.1916


 75.7666, 0.3107,
0.2229

 18.2109, 0.3045,
0.1769


 99.3571, 0.3114,
0.2304

 11.1015, 0.3009,
0.1589


 127.3969, 0.3119,
0.2370

 6.1351, 0.2954,
0.1367

160.2706, 0.3123,
0.2428

 2.9274, 0.2864,
0.1092

198.3625, 0.3126,
0.2479

 1.0940, 0.2708,
0.0752

242.0569, 0.3128,

 0.0000, 0.2511,

0.2524

0.0000

291.7383, 0.3130,
0.2565

■ 0.0000, 0.1671,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3963, 0.3086,
0.2038

■ 40.3963, 0.3086,
0.2038

■ 34.4231, 0.3070,
0.1834

■ 47.9956, 0.3099,
0.2270

■ 29.9460, 0.3051,
0.1666

■ 57.3276, 0.3110,
0.2520

■ 26.8235, 0.3031,
0.1541

■ 68.4958, 0.3118,
0.2777

■ 24.8848, 0.3009,
0.1461

■ 81.5943, 0.3124,
0.3033

■ 23.8714, 0.2988,
0.1420

■ 96.7106, 0.3127,
0.3281

■ 99.6328, 0.3139,
0.3319

■ 99.8069, 0.3145,
0.3319

Harmonies

Analogous

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



40.3963, 0.2143, 0.1763



40.3963, 0.3086, 0.2038



40.3963, 0.4242, 0.2548

Triad

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



40.3963, 0.3086, 0.2038



40.3963, 0.4727, 0.4686



40.3963, 0.1473, 0.2894

Complementary

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



40.3963, 0.3086, 0.2038



76.3260, 0.3108, 0.4875

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.



40.3963, 0.1978, 0.4149



40.3963, 0.3086, 0.2038



40.3963, 0.3848, 0.5293

Square

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



40.3963, 0.3086, 0.2038



40.3963, 0.5241, 0.3925



40.3963, 0.2850, 0.5206



40.3963, 0.1359, 0.2099

Rectangle

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



40.3963, 0.3086, 0.2038



40.3963, 0.4884, 0.2974



40.3963, 0.2850, 0.5206



40.3963, 0.1595, 0.3276

Sweetspot

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



40.3981, 0.3086, 0.2038



77.3533, 0.3121, 0.2915



29.4881, 0.2186, 0.1837



15.9556, 0.3120, 0.2861



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.



40.3981, 0.3086, 0.2038



35.5530, 0.3070, 0.1840



39.5933, 0.3683, 0.2512



17.4436, 0.3124, 0.3055



12.4701, 0.2992, 0.1422



1.1768, 0.3019, 0.1437

Inverse Universe

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



37.1455, 0.4445, 0.3180



32.0067, 0.4862, 0.3169



77.0965, 0.2817, 0.4251



17.2496, 0.3280, 0.3270



10.8190, 0.6306, 0.3248



1.0101, 0.6106, 0.3137

Previews

White Background



This preview shows how the Yxy color 40.3963, 0.3086, 0.2038 looks on a white background.

Color Contrast Check

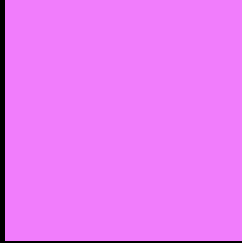
Large Text (above 18pt) WCAG AA × Fail

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 40.3963, 0.3086, 0.2038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

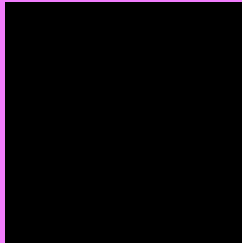
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3963, 0.3086, 0.2038

Background



This preview shows how black text looks on a background with the Yxy color 40.3963, 0.3086, 0.2038.

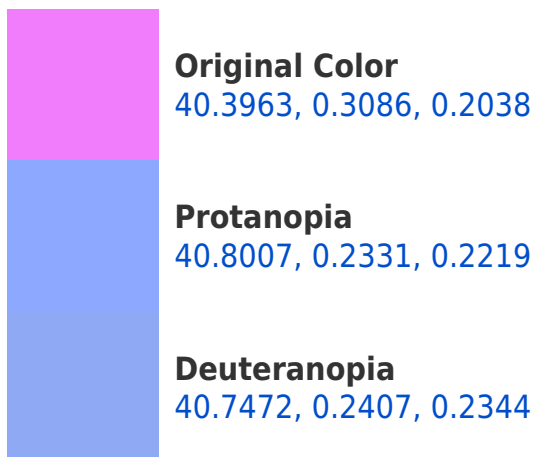


This preview shows how white text looks on a background with the Yxy color 40.3963, 0.3086, 0.2038.

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

40.3410, 0.3856, 0.3164

Trichromacy



Original Color

40.3963, 0.3086, 0.2038



Protanomaly

38.9593, 0.2554, 0.2106



Deuteranomaly

39.0816, 0.2614, 0.2184



Tritanomaly

39.9301, 0.3556, 0.2699

Monochromacy



Original Color

40.3963, 0.3086, 0.2038



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.0470, 0.3117, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3963, 0.3086, 0.2038 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, 125, 252)` looks like.

```
.text, #text, p{  
    color:rgb(241, 125, 252)  
}
```

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, 125, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 125, 252) }
```

Border

The CSS property to change the border of an element to Yxy 40.3963, 0.3086, 0.2038 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, 125, 252) }
```

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

```
.border{ border-color:rgb(241, 125, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 125, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 125, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 125, 252);  
box-shadow:4px 4px 4px 4px rgb(241, 125,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3963, 0.3086, 0.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 125, 252) }
```

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

```
.background{ background-color: rgb(241,  
125, 252) }
```

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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