

Converting Colors

$Y_{xy}(48.5191, 0.2578, 0.1600)$

Have a look what the booklet for
Yxy(48.5191, 0.2578, 0.1600)
contains.

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Color

Yxy(42.6857, 0.3086, 0.2076)

Conversions

Conversions Part 1

Format	Color
Hex	F483FF
RGB	244, 131, 255
RGB Percent	96%, 51%, 100%
CMY	0.0434, 0.4860, 0.0001
CMYK	0.04, 0.49, 0.00, 0.00
HSL	295°, 100%, 76%
HSV	295°, 49%, 100%
XYZ	63.4528, 42.6857, 99.4766
YIQ	178.9230, 27.5440, 62.5200

Conversions

Conversions Part 2

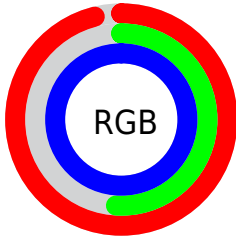
Format	Color
R_{YB}	244, 131, 255
Decimal	16024575
CIE _{Lab}	71.34, 60.52, -43.48
CIE _{LCh}	71, 74.521, 324.307
Yxy	42.6857, 0.3086, 0.2076
Android (android.graphics.Color)	4294214655 (0xFFFF483FF)
YUV	178.9230, 37.5060, 57.0725
Hunter-Lab	65.3343, 59.0246, -44.5397

Details

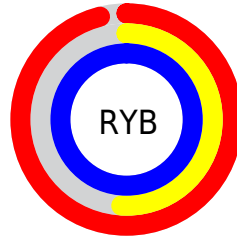
The Yxy color **42.6857, 0.3086, 0.2076** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.9004, 0.3112, 0.4812**, and the grayscale version is **44.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **19.5604, 0.3041, 0.1814** is the 20% darker color. If you saturate the color by 10%, you get **36.2535, 0.3070, 0.1865**, and if you desaturate by 10%, it is **50.8117, 0.3100, 0.2313**.

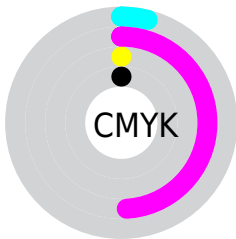
Distribution



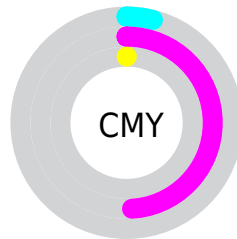
- Red (96%)
- Green (51%)
- Blue (100%)



- Red (96%)
- Yellow (51%)
- Blue (100%)



- Cyan (4%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6857, 0.3086, 0.2076 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 42.6857, 0.3086, 0.2076 by changing the saturation by 10% instead.

 42.6857, 0.3086,
0.2076

 42.6857, 0.3086,
0.2076


357.3176, 0.3130,
0.2620


 29.6386, 0.3070,
0.1958


 79.2364, 0.3106,
0.2260

 19.5644, 0.3047,
0.1817


 103.5087, 0.3112,
0.2333

 12.0788, 0.3014,
0.1644


 132.2915, 0.3117,
0.2396

 6.7974, 0.2963,
0.1430

165.9693, 0.3121,
0.2452

 3.3357, 0.2881,
0.1163

204.9264, 0.3124,
0.2501

 1.3094, 0.2739,
0.0831

249.5473, 0.3126,

 0.1485, 0.2541,

0.2545

0.0200

300.2162, 0.3128,
0.2584

■ 0.0000, 0.1904,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6857, 0.3086,
0.2076

■ 42.6857, 0.3086,
0.2076

■ 36.2535, 0.3070,
0.1865

■ 50.8117, 0.3100,
0.2313

■ 31.3837, 0.3051,
0.1690

■ 60.7390, 0.3110,
0.2565

■ 27.9347, 0.3030,
0.1557

■ 72.5727, 0.3119,
0.2823

■ 25.7367, 0.3008,
0.1469

■ 86.4083, 0.3124,
0.3078

■ 24.5483, 0.2985,
0.1421

99.9981, 0.3127,
0.3290

■ 24.4173, 0.2982,
0.1416

Harmonies

Analogous

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



42.6857, 0.2175, 0.1809



42.6857, 0.3086, 0.2076



42.6857, 0.4193, 0.2573

Triad

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



42.6857, 0.3086, 0.2076



42.6857, 0.4686, 0.4651



42.6857, 0.1529, 0.2922

Complementary

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



42.6857, 0.3086, 0.2076



78.9004, 0.3112, 0.4812

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.



42.6857, 0.2027, 0.4118



42.6857, 0.3086, 0.2076



42.6857, 0.3843, 0.5217

Square

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



42.6857, 0.3086, 0.2076



42.6857, 0.5169, 0.3918



42.6857, 0.2876, 0.5119



42.6857, 0.1412, 0.2147

Rectangle

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



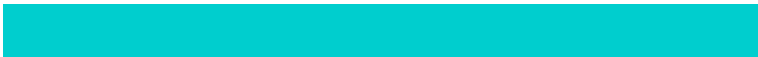
42.6857, 0.3086, 0.2076



42.6857, 0.4810, 0.2989



42.6857, 0.2876, 0.5119



42.6857, 0.1650, 0.3289

Sweetspot

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



42.6876, 0.3086, 0.2076



77.3365, 0.3121, 0.2915



31.8283, 0.2222, 0.1896



15.9515, 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.



42.6876, 0.3086, 0.2076



36.6028, 0.3071, 0.1877



41.9301, 0.3656, 0.2537



18.2133, 0.3124, 0.3055



12.7960, 0.2986, 0.1418



1.2690, 0.3013, 0.1433

Inverse Universe

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



39.4586, 0.4371, 0.3180



33.1590, 0.4767, 0.3167



79.6516, 0.2824, 0.4211



18.0133, 0.3280, 0.3269



11.1494, 0.6304, 0.3247



1.0941, 0.6109, 0.3139

Previews

White Background



This preview shows how the Yxy color 42.6857, 0.3086, 0.2076 looks on a white background.

Color Contrast Check

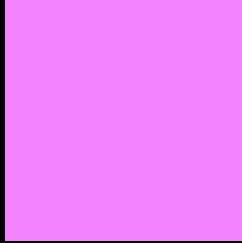
Large Text (above 18pt) WCAG AA × Fail

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 42.6857, 0.3086, 0.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

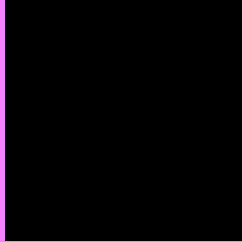
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6857, 0.3086, 0.2076

Background



This preview shows how black text looks on a background with the Yxy color 42.6857, 0.3086, 0.2076.



This preview shows how white text looks on a background with the Yxy color 42.6857, 0.3086, 0.2076.

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

42.6857, 0.3086, 0.2076

Protanopia

43.2181, 0.2377, 0.2291

Deuteranopia

42.9921, 0.2437, 0.2374



Tritanopia

42.6186, 0.3816, 0.3166

Trichromacy



Original Color

42.6857, 0.3086, 0.2076



Protanomaly

41.6188, 0.2592, 0.2177



Deuteranomaly

41.5462, 0.2638, 0.2226

Tritanomaly

42.1149, 0.3536, 0.2718

Monochromacy



Original Color

42.6857, 0.3086, 0.2076



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.0422, 0.3117, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6857, 0.3086, 0.2076 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(244, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 131, 255)  
}
```

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(244, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6857, 0.3086, 0.2076 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(244, 131, 255) }
```

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

```
.border{ border-color:rgb(244, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6857, 0.3086, 0.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 131, 255) }
```

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

```
.background{ background-color: rgb(244,  
131, 255) }
```

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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