

Converting Colors

$Y_{xy}(48.6739, 0.3056, 0.2265)$

Have a look what the booklet for
Yxy(48.6739, 0.3056, 0.2265)
contains.

Yxy(48.7032, 0.3057, 0.2266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7032, 0.3057, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	F199FF
RGB	241, 153, 255
RGB Percent	95%, 60%, 100%
CMY	0.0550, 0.3999, 0.0001
CMYK	0.05, 0.40, 0.00, 0.00
HSL	292°, 100%, 80%
HSV	292°, 40%, 100%
XYZ	65.7042, 48.7032, 100.5229
YIQ	190.9400, 19.7060, 50.3780

Conversions

Conversions Part 2

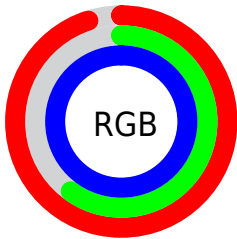
Format	Color
R_{YB}	241, 153, 255
Decimal	15833599
CIE _{Lab}	75.27, 48.71, -37.39
CIE _{LCh}	75, 61.406, 322.492
Yxy	48.7032, 0.3057, 0.2266
Android (android.graphics.Color)	4294023679 (0xFFFF199FF)
YUV	190.9400, 31.5816, 43.9026
Hunter-Lab	69.7877, 45.9270, -36.5506

Details

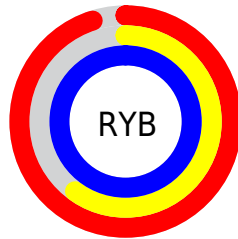
The Yxy color **48.7032, 0.3057, 0.2266** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.0241, 0.3149, 0.4496**, and the grayscale version is **51.8708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.0682, 0.3016, 0.2036** is the 20% darker color. If you saturate the color by 10%, you get **40.6191, 0.3030, 0.2025**, and if you desaturate by 10%, it is **58.5865, 0.3080, 0.2523**.

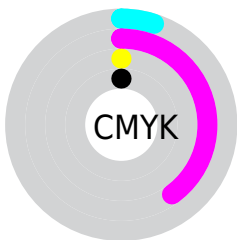
Distribution



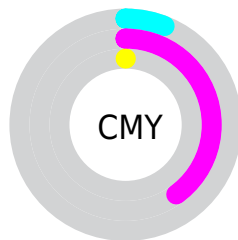
- Red (95%)
- Green (60%)
- Blue (100%)



- Red (95%)
- Yellow (60%)
- Blue (100%)



- Cyan (5%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7032, 0.3057, 0.2266 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 48.7032, 0.3057, 0.2266 by changing the saturation by 10% instead.


 48.7032, 0.3057,
0.2266

 48.7032, 0.3057,
0.2266

381.5727, 0.3107,
0.2726

 34.3841, 0.3041,
0.2165


 88.2505, 0.3078,
0.2422

 23.1888, 0.3020,
0.2043


 114.2474, 0.3085,
0.2484

 14.7330, 0.2990,
0.1893


144.9058, 0.3090,
0.2538

 8.6322, 0.2946,
0.1705

180.6100, 0.3095,
0.2585

 4.5021, 0.2877,
0.1464

221.7444, 0.3099,
0.2627

 1.9582, 0.2761,
0.1151

268.6934, 0.3102,

 0.5830, 0.2561,

0.2664

0.0710

321.8414, 0.3105,
0.2697

0.0000, 0.2168,
0.0000

0.0000, 0.0000,
0.0000

48.7032, 0.3057,
0.2266

48.7032, 0.3057,
0.2266

40.6191, 0.3030,
0.2025

58.5865, 0.3080,
0.2523

34.2133, 0.2999,
0.1809

70.3674, 0.3100,
0.2784

29.3599, 0.2965,
0.1629

84.1443, 0.3115,
0.3042

25.9124, 0.2930,
0.1492

99.9946, 0.3127,
0.3290

■ 23.6961, 0.2894, 99.9983, 0.3127,
0.1400 0.3290

■ 22.4261, 0.2858,
0.1348

■ 22.4241, 0.2858,
0.1348

Harmonies

Analogous

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



48.7032, 0.2321, 0.2052



48.7032, 0.3057, 0.2266



48.7032, 0.3926, 0.2683

Triad

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



48.7032, 0.3057, 0.2266



48.7032, 0.4467, 0.4423



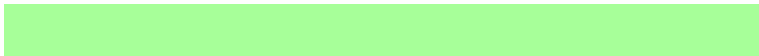
48.7032, 0.1834, 0.3078

Complementary

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



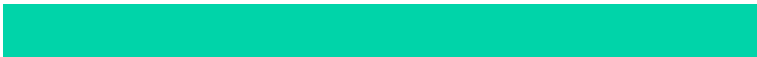
48.7032, 0.3057, 0.2266



82.0241, 0.3149, 0.4496

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.



48.7032, 0.2292, 0.3993



48.7032, 0.3057, 0.2266



48.7032, 0.3808, 0.4820

Square

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



48.7032, 0.3057, 0.2266



48.7032, 0.4788, 0.3837



48.7032, 0.3013, 0.4713



48.7032, 0.1697, 0.2410

Rectangle

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



48.7032, 0.3057, 0.2266



48.7032, 0.4421, 0.3039



48.7032, 0.3013, 0.4713



48.7032, 0.1951, 0.3370

Sweetspot

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



48.7053, 0.3057, 0.2266



81.2178, 0.3112, 0.2991



42.1177, 0.2411, 0.2244



16.9854, 0.3110, 0.2957



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.



48.7053, 0.3057, 0.2266



42.0941, 0.3035, 0.2071



49.1773, 0.3483, 0.2617



18.1664, 0.3116, 0.3054



11.7687, 0.2864, 0.1351



1.1793, 0.2905, 0.1374

Inverse Universe

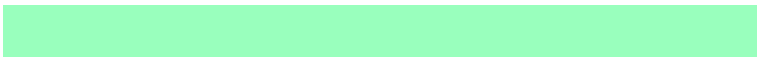
The Inverse Universe completely reimagines the original color for something new.



46.8388, 0.4002, 0.3145



40.1091, 0.4280, 0.3119



81.9403, 0.2892, 0.4082



18.0277, 0.3273, 0.3258



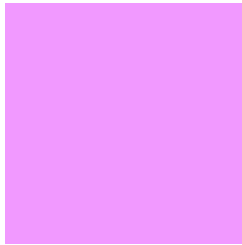
11.1847, 0.6223, 0.3202



1.1008, 0.5965, 0.3060

Previews

White Background



This preview shows how the Yxy color 48.7032, 0.3057, 0.2266 looks on a white background.

Color Contrast Check

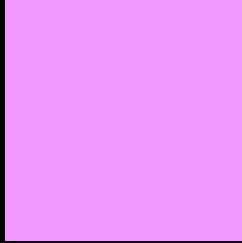
Large Text (above 18pt) WCAG AA × Fail

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 48.7032, 0.3057, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

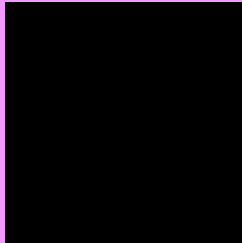
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7032, 0.3057, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 48.7032, 0.3057, 0.2266.



This preview shows how white text looks on a background with the Yxy color 48.7032, 0.3057, 0.2266.

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

48.7032, 0.3057, 0.2266

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

49.0314, 0.2565, 0.2506



Tritanopia

48.7423, 0.3585, 0.3143

Trichromacy



Original Color

48.7032, 0.3057, 0.2266



Protanomaly

47.8014, 0.2673, 0.2354



Deuteranomaly

48.0722, 0.2728, 0.2399

Tritanomaly

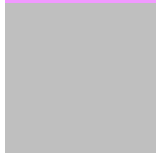
48.4600, 0.3385, 0.2787

Monochromacy



Original Color

48.7032, 0.3057, 0.2266



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.8546, 0.3105, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7032, 0.3057, 0.2266 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 153, 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(241, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7032, 0.3057, 0.2266 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, 153, 255) }
```

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

```
.border{ border-color:rgb(241, 153, 255) }
```

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

Here you see how a box with a 4 pixel rgb(241, 153, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7032, 0.3057, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 153, 255) }
```

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

```
.background{ background-color: rgb(241,  
153, 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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