

Converting Colors

$Y_{xy}(47.5550, 0.3225, 0.2357)$

Have a look what the booklet for
Yxy(47.5550, 0.3225, 0.2357)
contains.

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Color

Yxy(47.6199, 0.3224, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	F795F1
RGB	247, 149, 241
RGB Percent	97%, 58%, 95%
CMY	0.0311, 0.4158, 0.0549
CMYK	0.00, 0.40, 0.02, 0.03
HSL	304°, 86%, 78%
HSV	304°, 40%, 97%
XYZ	64.9985, 47.6199, 88.9899
YIQ	188.7900, 28.8760, 49.3880

Conversions

Conversions Part 2

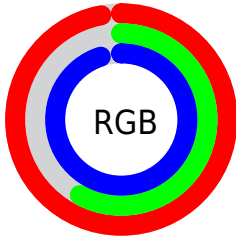
Format	Color
R _Y B	247, 149, 241
Decimal	16225777
CIE _{Lab}	74.58, 50.06, -30.81
CIE _{LCh}	75, 58.784, 328.389
Yxy	47.6199, 0.3224, 0.2362
Android (android.graphics.Color)	4294415857 (0xFFFF795F1)
YUV	188.7900, 25.7395, 51.0502
Hunter-Lab	69.0072, 47.3684, -28.1539

Details

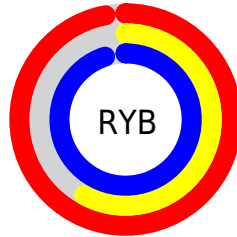
The Yxy color $47.6199, 0.3224, 0.2362$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $75.3125, 0.3039, 0.4437$, and the grayscale version is $50.6008, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $22.5060, 0.3229, 0.2147$ is the 20% darker color. If you saturate the color by 10%, you get $40.5274, 0.3252, 0.2151$, and if you desaturate by 10%, it is $56.3752, 0.3197, 0.2591$.

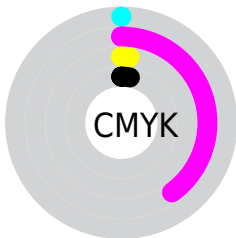
Distribution



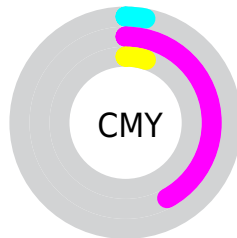
- Red (97%)
- Green (58%)
- Blue (95%)



- Red (97%)
- Yellow (58%)
- Blue (95%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6199, 0.3224, 0.2362 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 47.6199, 0.3224, 0.2362 by changing the saturation by 10% instead.


 47.6199, 0.3224,
0.2362


 47.6199, 0.3224,
0.2362


377.2835, 0.3191,
0.2785

 33.5260, 0.3228,
0.2268


 86.6382, 0.3215,
0.2507

 22.5297, 0.3232,
0.2153


 112.3314, 0.3211,
0.2564

 14.2466, 0.3235,
0.2011


142.6598, 0.3207,
0.2613

 8.2924, 0.3233,
0.1830

178.0077, 0.3203,
0.2656

 4.2826, 0.3222,
0.1593

218.7597, 0.3200,
0.2694

 1.8329, 0.3190,
0.1278

265.3001, 0.3197,

 0.5075, 0.3124,

0.2728

0.0780

318.0132, 0.3194,
0.2758

0.0000, 0.2887,
0.0000

0.0000, 0.0000,
0.0000

47.6199, 0.3224,
0.2362

47.6199, 0.3224,
0.2362

40.5274, 0.3252,
0.2151

56.3752, 0.3197,
0.2591

34.9856, 0.3279,
0.1967

66.8835, 0.3172,
0.2828

30.8787, 0.3306,
0.1820

79.2360, 0.3148,
0.3066

28.0718, 0.3331,
0.1715

93.5157, 0.3127,
0.3297

■ 26.4046, 0.3353,
0.1655

■ 98.1216, 0.3115,
0.3352

■ 25.6193, 0.3373,
0.1632

■ 98.2169, 0.3106,
0.3337

■ 25.6008, 0.3373,
0.1632

■ 98.3131, 0.3097,
0.3322

■ 98.4099, 0.3088,
0.3307

■ 98.5076, 0.3080,
0.3292

Harmonies

Analogous

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



47.6199, 0.2469, 0.2111



47.6199, 0.3224, 0.2362



47.6199, 0.4053, 0.2800

Triad

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



47.6199, 0.3224, 0.2362



47.6199, 0.4323, 0.4491



47.6199, 0.1823, 0.2937

Complementary

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



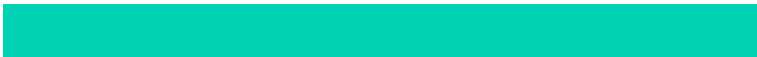
47.6199, 0.3224, 0.2362



75.3125, 0.3039, 0.4437

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.



47.6199, 0.2209, 0.3792



47.6199, 0.3224, 0.2362



47.6199, 0.3646, 0.4793

Square

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



47.6199, 0.3224, 0.2362



47.6199, 0.4708, 0.3944



47.6199, 0.2872, 0.4560



47.6199, 0.1748, 0.2353

Rectangle

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



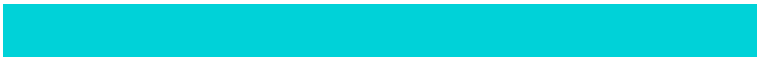
47.6199, 0.3224, 0.2362



47.6199, 0.4484, 0.3161



47.6199, 0.2872, 0.4560



47.6199, 0.1916, 0.3202

Sweetspot

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



47.6220, 0.3224, 0.2362



81.8856, 0.3153, 0.3011



35.0625, 0.2423, 0.2080



17.1437, 0.3156, 0.2980



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.



47.6220, 0.3224, 0.2362



44.6688, 0.3247, 0.2183



45.1259, 0.3672, 0.2820



16.7496, 0.3147, 0.3071



13.5398, 0.3370, 0.1630



1.1953, 0.3348, 0.1618

Inverse Universe

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



47.6220, 0.3224, 0.2362



44.6688, 0.3247, 0.2183



77.2531, 0.2793, 0.3823



16.7496, 0.3147, 0.3071



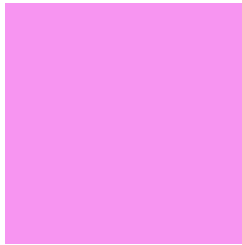
13.5398, 0.3370, 0.1630



1.1953, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 47.6199, 0.3224, 0.2362 looks on a white background.

Color Contrast Check

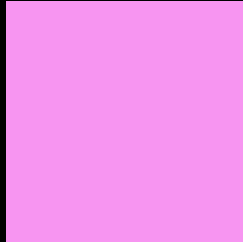
Large Text (above 18pt) WCAG AA × Fail

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 47.6199, 0.3224, 0.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

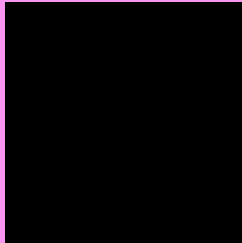
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6199, 0.3224, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 47.6199, 0.3224, 0.2362.



This preview shows how white text looks on a background with the Yxy color 47.6199, 0.3224, 0.2362.

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

47.6199, 0.3224, 0.2362

Protanopia

47.8448, 0.2484, 0.2412

Deuteranopia

48.1599, 0.2693, 0.2637



Tritanopia

47.6403, 0.3741, 0.3158

Trichromacy



Original Color

47.6199, 0.3224, 0.2362



Protanomaly

46.4845, 0.2709, 0.2368



Deuteranomaly

46.9079, 0.2867, 0.2511



Tritanomaly

47.4545, 0.3549, 0.2847

Monochromacy



Original Color

47.6199, 0.3224, 0.2362



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

48.5278, 0.3163, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6199, 0.3224, 0.2362 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(247, 149, 241)` looks like.

```
.text, #text, p{  
    color:rgb(247, 149, 241)  
}
```

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(247, 149, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 149, 241) }
```

Border

The CSS property to change the border of an element to Yxy 47.6199, 0.3224, 0.2362 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(247, 149, 241) }
```

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

```
.border{ border-color:rgb(247, 149, 241) }
```

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

Here you see how a box with a 4 pixel rgb(247, 149, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 149, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 149, 241);  
box-shadow:4px 4px 4px 4px rgb(247, 149,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6199, 0.3224, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 149, 241) }
```

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

```
.background{ background-color: rgb(247,  
149, 241) }
```

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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