

Converting Colors

$Y_{xy}(48.9386, 0.3240, 0.2511)$

Have a look what the booklet for
Yxy(48.9386, 0.3240, 0.2511)
contains.

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Color

Yxy(48.9807, 0.3242, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	F19EE8
RGB	241, 158, 232
RGB Percent	95%, 62%, 91%
CMY	0.0550, 0.3803, 0.0902
CMYK	0.00, 0.34, 0.04, 0.05
HSL	306°, 75%, 78%
HSV	306°, 34%, 95%
XYZ	63.0641, 48.9807, 82.4774
YIQ	191.2530, 25.7140, 40.6100

Conversions

Conversions Part 2

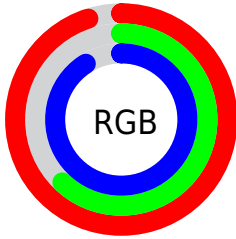
Format	Color
R _Y B	241, 158, 232
Decimal	15834856
CIE Lab	75.44, 41.96, -24.66
CIE LCh	75, 48.673, 329.559
Yxy	48.9807, 0.3242, 0.2518
Android (android.graphics.Color)	4294024936 (0xFFFF19EE8)
YUV	191.2530, 20.0883, 43.6281
Hunter-Lab	69.9862, 38.3693, -20.8818

Details

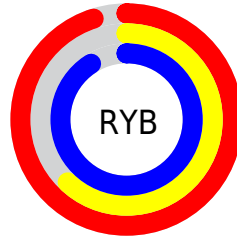
The Yxy color **48.9807, 0.3242, 0.2518** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.9615, 0.3030, 0.4209**, and the grayscale version is **52.1264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **23.4281, 0.3267, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **41.4041, 0.3282, 0.2304**, and if you desaturate by 10%, it is **58.1757, 0.3204, 0.2743**.

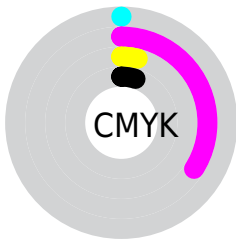
Distribution



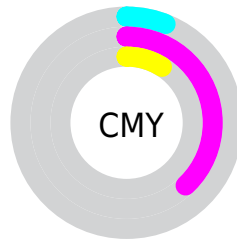
- Red (95%)
- Green (62%)
- Blue (91%)



- Red (95%)
- Yellow (62%)
- Blue (91%)



- Cyan (0%)
- Magenta (34%)
- Yellow (4%)
- Black (5%)




- Cyan (6%)
- Magenta (38%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9807, 0.3242, 0.2518 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 48.9807, 0.3242, 0.2518 by changing the saturation by 10% instead.


 48.9807, 0.3242,
0.2518


 48.9807, 0.3242,
0.2518


382.6663, 0.3196,
0.2874

 34.6042, 0.3251,
0.2437


 88.6628, 0.3227,
0.2641

 23.3581, 0.3260,
0.2338

 114.7371, 0.3221,
0.2689

 14.8582, 0.3271,
0.2214


145.4795, 0.3216,
0.2731

 8.7199, 0.3282,
0.2053

181.2744, 0.3211,
0.2767

 4.5589, 0.3290,
0.1838

222.5061, 0.3207,
0.2799

 1.9909, 0.3291,
0.1541

269.5591, 0.3203,

 0.6022, 0.3276,

0.2827

0.1069

322.8177, 0.3199,
0.2852

0.0000, 0.3139,
0.0000

0.0000, 0.0000,
0.0000

48.9807, 0.3242,
0.2518

48.9807, 0.3242,
0.2518

41.4041, 0.3282,
0.2304

58.1757, 0.3204,
0.2743

35.3448, 0.3325,
0.2111

69.0694, 0.3170,
0.2971

30.7004, 0.3368,
0.1949

81.7449, 0.3140,
0.3194

27.3531, 0.3410,
0.1825

96.2776, 0.3113,
0.3408

■ 25.1665, 0.3450,
0.1746

■ 96.8133, 0.3097,
0.3388

■ 23.9732, 0.3488,
0.1711

■ 96.9738, 0.3083,
0.3362

■ 23.5994, 0.3507,
0.1706

■ 97.1365, 0.3068,
0.3336

■ 97.3015, 0.3053,
0.3311

■ 97.4380, 0.3041,
0.3290

Harmonies

Analogous

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



48.9807, 0.2605, 0.2295



48.9807, 0.3242, 0.2518



48.9807, 0.3913, 0.2903

Triad

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



48.9807, 0.3242, 0.2518



48.9807, 0.4121, 0.4324



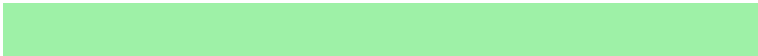
48.9807, 0.2023, 0.2992

Complementary

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



48.9807, 0.3242, 0.2518



72.9615, 0.3030, 0.4209

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.



48.9807, 0.2352, 0.3675



48.9807, 0.3242, 0.2518



48.9807, 0.3556, 0.4518

Square

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



48.9807, 0.3242, 0.2518



48.9807, 0.4436, 0.3890



48.9807, 0.2908, 0.4289



48.9807, 0.1961, 0.2504

Rectangle

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



48.9807, 0.3242, 0.2518



48.9807, 0.4256, 0.3218



48.9807, 0.2908, 0.4289



48.9807, 0.2103, 0.3207

Sweetspot

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



48.9829, 0.3242, 0.2518



84.6193, 0.3156, 0.3070



38.9490, 0.2563, 0.2274



17.6854, 0.3161, 0.3038



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.



48.9829, 0.3242, 0.2518



49.7292, 0.3269, 0.2373



46.9269, 0.3614, 0.2928



16.0002, 0.3154, 0.3082



12.8116, 0.3502, 0.1703



1.0742, 0.3458, 0.1679

Inverse Universe

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



48.9829, 0.3242, 0.2518



49.7292, 0.3269, 0.2373



74.7158, 0.2809, 0.3688



16.0002, 0.3154, 0.3082



12.8116, 0.3502, 0.1703



1.0742, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 48.9807, 0.3242, 0.2518 looks on a white background.

Color Contrast Check

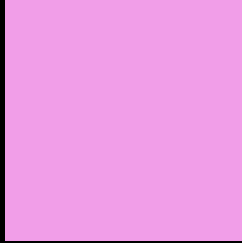
Large Text (above 18pt) WCAG AA × Fail

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 48.9807, 0.3242, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

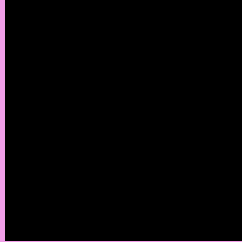
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9807, 0.3242, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 48.9807, 0.3242, 0.2518.



This preview shows how white text looks on a background with the Yxy color 48.9807, 0.3242, 0.2518.

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

48.9807, 0.3242, 0.2518

Protanopia

49.4615, 0.2549, 0.2497

Deuteranopia

49.2477, 0.2806, 0.2736



Tritanopia

48.8339, 0.3624, 0.3145

Trichromacy



Original Color

48.9807, 0.3242, 0.2518



Protanomaly

48.6609, 0.2769, 0.2499



Deuteranomaly

48.5234, 0.2958, 0.2645



Tritanomaly

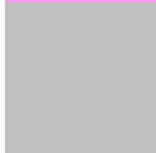
48.7256, 0.3483, 0.2895

Monochromacy



Original Color

48.9807, 0.3242, 0.2518



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.2517, 0.3168, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9807, 0.3242, 0.2518 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, 158, 232)` looks like.

```
.text, #text, p{  
    color:rgb(241, 158, 232)  
}
```

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, 158, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 158, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.9807, 0.3242, 0.2518 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, 158, 232) }
```

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

```
.border{ border-color:rgb(241, 158, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 158, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 158, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 158, 232);  
box-shadow:4px 4px 4px 4px rgb(241, 158,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9807, 0.3242, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 158, 232) }
```

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

```
.background{ background-color: rgb(241,  
158, 232) }
```

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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