

Converting Colors

$Y_{xy}(47.8312, 0.3225, 0.2573)$

Have a look what the booklet for
Yxy(47.8312, 0.3225, 0.2573)
contains.

Yxy(47.6109, 0.3223, 0.2569)	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(47.6109, 0.3223, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	E99FE2
RGB	233, 159, 226
RGB Percent	91%, 62%, 89%
CMY	0.0862, 0.3765, 0.1138
CMYK	0.00, 0.32, 0.03, 0.09
HSL	306°, 63%, 77%
HSV	306°, 32%, 91%
XYZ	59.7314, 47.6109, 77.9862
YIQ	188.7640, 22.5970, 36.5250

Conversions

Conversions Part 2

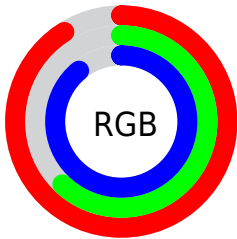
Format	Color
R _Y B	233, 159, 226
Decimal	15310818
CIE Lab	74.58, 37.85, -22.77
CIE LCh	75, 44.174, 328.967
Yxy	47.6109, 0.3223, 0.2569
Android (android.graphics.Color)	4293500898 (0xFFE99FE2)
YUV	188.7640, 18.3573, 38.7950
Hunter-Lab	69.0007, 33.7699, -18.7106

Details

The Yxy color $47.6109, 0.3223, 0.2569$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.4097, 0.3043, 0.4137$, and the grayscale version is $50.6320, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.0809, 0.3145, 0.2900$, and $22.4784, 0.3230, 0.2387$ is the 20% darker color. If you saturate the color by 10%, you get $40.2197, 0.3259, 0.2349$, and if you desaturate by 10%, it is $56.5184, 0.3189, 0.2798$.

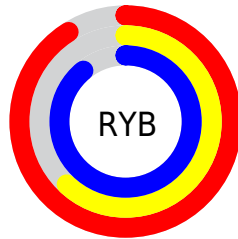
Distribution



Red (91%)

Green (62%)

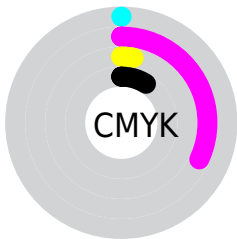
Blue (89%)



Red (91%)

Yellow (62%)

Blue (89%)

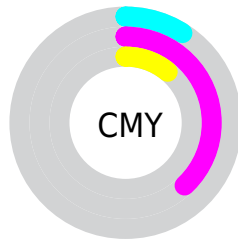


Cyan (0%)

Magenta (32%)

Yellow (3%)

Black (9%)



Cyan (9%)


Magenta (38%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6109, 0.3223, 0.2569 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 47.6109, 0.3223, 0.2569 by changing the saturation by 10% instead.


 47.6109, 0.3223,
0.2569

 47.6109, 0.3223,
0.2569


377.2477, 0.3184,
0.2906

 33.5189, 0.3230,
0.2492


 86.6248, 0.3211,
0.2686

 22.5242, 0.3238,
0.2396


 112.3154, 0.3206,
0.2732

 14.2426, 0.3247,
0.2276


142.6410, 0.3201,
0.2771

 8.2896, 0.3255,
0.2118

177.9860, 0.3197,
0.2805

 4.2808, 0.3261,
0.1906

218.7348, 0.3194,
0.2835

 1.8318, 0.3257,
0.1607

265.2718, 0.3190,

 0.5069, 0.3252,

0.2861

0.1070

317.9813, 0.3187,
0.2885

0.0000, 0.2736,
0.0000

0.0000, 0.0000,
0.0000

47.6109, 0.3223,
0.2569

47.6109, 0.3223,
0.2569

40.2197, 0.3259,
0.2349

56.5184, 0.3189,
0.2798

34.2532, 0.3297,
0.2148

67.0142, 0.3159,
0.3027

29.6202, 0.3335,
0.1975

79.1735, 0.3132,
0.3251

26.2160, 0.3373,
0.1839

93.0647, 0.3108,
0.3465

■ 23.9202, 0.3409,
0.1746

■ 94.9626, 0.3094,
0.3470

■ 22.5884, 0.3442,
0.1697

■ 95.0926, 0.3081,
0.3448

■ 22.0242, 0.3467,
0.1684

■ 95.2243, 0.3069,
0.3425

■ 95.3575, 0.3056,
0.3403

■ 95.4924, 0.3044,
0.3381

Harmonies

Analogous

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



47.6109, 0.2637, 0.2365



47.6109, 0.3223, 0.2569



47.6109, 0.3837, 0.2927

Triad

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



47.6109, 0.3223, 0.2569



47.6109, 0.4056, 0.4241



47.6109, 0.2110, 0.3034

Complementary

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



47.6109, 0.3223, 0.2569



68.4097, 0.3043, 0.4137

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.



47.6109, 0.2424, 0.3656



47.6109, 0.3223, 0.2569



47.6109, 0.3541, 0.4412

Square

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



47.6109, 0.3223, 0.2569



47.6109, 0.4333, 0.3846



47.6109, 0.2943, 0.4204



47.6109, 0.2045, 0.2576

Rectangle

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



47.6109, 0.3223, 0.2569



47.6109, 0.4153, 0.3221



47.6109, 0.2943, 0.4204



47.6109, 0.2187, 0.3232

Sweetspot

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



47.6130, 0.3223, 0.2569



84.6409, 0.3154, 0.3066



38.6982, 0.2606, 0.2364



17.6907, 0.3158, 0.3034



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.



47.6130, 0.3223, 0.2569



52.3899, 0.3246, 0.2426



45.8332, 0.3551, 0.2944



15.2877, 0.3152, 0.3079



12.5056, 0.3463, 0.1681



0.9892, 0.3423, 0.1660

Inverse Universe

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



47.6130, 0.3223, 0.2569



52.3899, 0.3246, 0.2426



69.9282, 0.2838, 0.3667



15.2877, 0.3152, 0.3079



12.5056, 0.3463, 0.1681



0.9892, 0.3423, 0.1660

Previews

White Background



This preview shows how the Yxy color 47.6109, 0.3223, 0.2569 looks on a white background.

Color Contrast Check

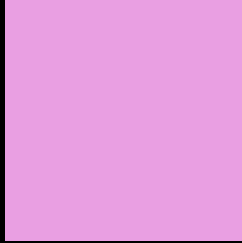
Large Text (above 18pt) WCAG AA × Fail

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 47.6109, 0.3223, 0.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

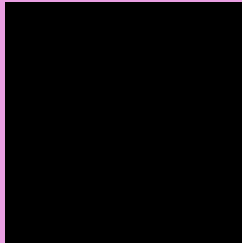
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6109, 0.3223, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 47.6109, 0.3223, 0.2569.



This preview shows how white text looks on a background with the Yxy color 47.6109, 0.3223, 0.2569.

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

47.6109, 0.3223, 0.2569

Protanopia

48.0822, 0.2597, 0.2564

Deuteranopia

47.9837, 0.2838, 0.2777



Tritanopia

47.6724, 0.3560, 0.3141

Trichromacy



Original Color

47.6109, 0.3223, 0.2569



Protanomaly

47.4046, 0.2799, 0.2563



Deuteranomaly

47.2503, 0.2970, 0.2691



Tritanomaly

47.5995, 0.3436, 0.2929

Monochromacy



Original Color

47.6109, 0.3223, 0.2569



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.0842, 0.3166, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6109, 0.3223, 0.2569 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(233, 159, 226)` looks like.

```
.text, #text, p{  
    color:rgb(233, 159, 226)  
}
```

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(233, 159, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 159, 226) }
```

Border

The CSS property to change the border of an element to Yxy 47.6109, 0.3223, 0.2569 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(233, 159, 226) }
```

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

```
.border{ border-color:rgb(233, 159, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 159, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 159, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 159, 226);  
box-shadow:4px 4px 4px 4px rgb(233, 159,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6109, 0.3223, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 159, 226) }
```

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

```
.background{ background-color: rgb(233,  
159, 226) }
```

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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