

Converting Colors

$Y_{xy}(48.0233, 0.2955, 0.2277)$

Have a look what the booklet for
Yxy(48.0233, 0.2955, 0.2277)
contains.

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Color

Yxy(47.9920, 0.2958, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	E59DFF
RGB	229, 157, 255
RGB Percent	90%, 62%, 100%
CMY	0.1022, 0.3841, 0.0001
CMYK	0.10, 0.38, 0.00, 0.00
HSL	284°, 100%, 81%
HSV	284°, 38%, 100%
XYZ	62.4001, 47.9920, 100.5617
YIQ	189.7000, 11.4540, 45.7420

Conversions

Conversions Part 2

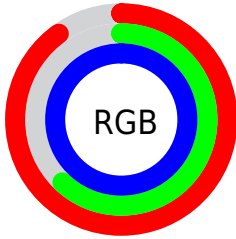
Format	Color
R _Y B	229, 157, 255
Decimal	15048191
CIE Lab	74.82, 43.10, -38.18
CIE LCh	75, 57.579, 318.460
Yxy	47.9920, 0.2958, 0.2275
Android (android.graphics.Color)	4293238271 (0xFFE59DFF)
YUV	189.7000, 32.1929, 34.4661
Hunter-Lab	69.2763, 39.5493, -37.5722

Details

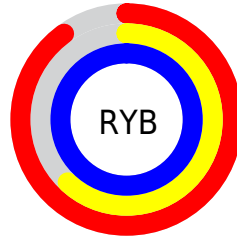
The Yxy color $47.9920, 0.2958, 0.2275$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.0191, 0.3226, 0.4415$, and the grayscale version is $51.1187, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $22.7485, 0.2896, 0.2049$ is the 20% darker color. If you saturate the color by 10%, you get $39.1516, 0.2897, 0.2011$, and if you desaturate by 10%, it is $58.6804, 0.3012, 0.2548$.

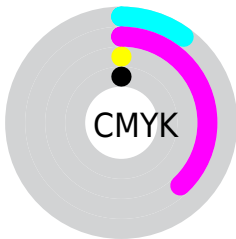
Distribution



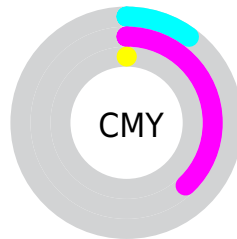
- Red (90%)
- Green (62%)
- Blue (100%)



- Red (90%)
- Yellow (62%)
- Blue (100%)



- Cyan (10%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9920, 0.2958, 0.2275 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 47.9920, 0.2958, 0.2275 by changing the saturation by 10% instead.


 47.9920, 0.2958,
0.2275


 47.9920, 0.2958,
0.2275


378.7604, 0.3055,
0.2735

 33.8206, 0.2932,
0.2174


 87.1925, 0.2995,
0.2432

 22.7558, 0.2897,
0.2051


 112.9903, 0.3008,
0.2493

 14.4133, 0.2850,
0.1900


143.4324, 0.3019,
0.2547

 8.4087, 0.2784,
0.1709

178.9031, 0.3029,
0.2594

 4.3575, 0.2685,
0.1464

219.7869, 0.3037,
0.2635

 1.8755, 0.2528,
0.1145

266.4681, 0.3043,

 0.5336, 0.2271,

0.2672

0.0680

319.3312, 0.3049,
0.2705

0.0000, 0.1687,
0.0000

0.0000, 0.0000,
0.0000

47.9920, 0.2958,
0.2275

47.9920, 0.2958,
0.2275

39.1516, 0.2897,
0.2011

58.6804, 0.3012,
0.2548

32.0396, 0.2829,
0.1766

71.3141, 0.3059,
0.2819

26.5321, 0.2758,
0.1553

85.9911, 0.3099,
0.3081

22.4855, 0.2685,
0.1381

99.9985, 0.3127,
0.3290

■ 19.7302, 0.2613,
0.1257

■ 18.0290, 0.2543,
0.1179

■ 17.8041, 0.2532,
0.1168

Harmonies

Analogous

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



47.9920, 0.2288, 0.2100



47.9920, 0.2958, 0.2275



47.9920, 0.3775, 0.2652

Triad

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



47.9920, 0.2958, 0.2275



47.9920, 0.4466, 0.4307



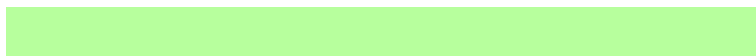
47.9920, 0.1940, 0.3204

Complementary

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



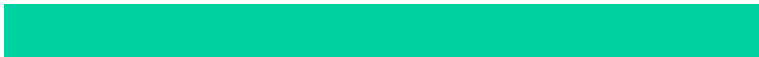
47.9920, 0.2958, 0.2275



84.0191, 0.3226, 0.4415

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.



47.9920, 0.2421, 0.4062



47.9920, 0.2958, 0.2275



47.9920, 0.3878, 0.4707

Square

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



47.9920, 0.2958, 0.2275



47.9920, 0.4704, 0.3744



47.9920, 0.3129, 0.4672



47.9920, 0.1766, 0.2527

Rectangle

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



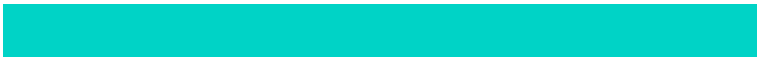
47.9920, 0.2958, 0.2275



47.9920, 0.4264, 0.2985



47.9920, 0.3129, 0.4672



47.9920, 0.2068, 0.3486

Sweetspot

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



47.9940, 0.2958, 0.2275



80.4956, 0.3086, 0.2988



48.3238, 0.2464, 0.2433



16.8146, 0.3081, 0.2954



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.



47.9940, 0.2958, 0.2275



41.1270, 0.2912, 0.2073



51.2177, 0.3363, 0.2538



18.0431, 0.3095, 0.3053



9.3817, 0.2543, 0.1175



0.9668, 0.2622, 0.1218

Inverse Universe

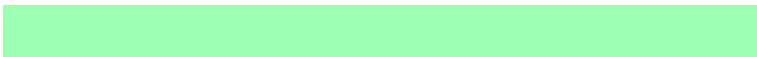
The Inverse Universe completely reimagines the original color for something new.



48.8070, 0.3826, 0.3019



42.2117, 0.4038, 0.2967



81.9685, 0.2957, 0.4187



18.0664, 0.3252, 0.3227



11.3466, 0.5885, 0.3015



1.1220, 0.5567, 0.2840

Previews

White Background



This preview shows how the Yxy color 47.9920, 0.2958, 0.2275 looks on a white background.

Color Contrast Check

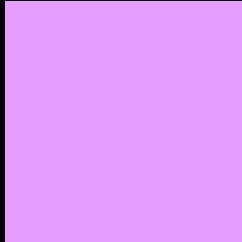
Large Text (above 18pt) WCAG AA × Fail

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 47.9920, 0.2958, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

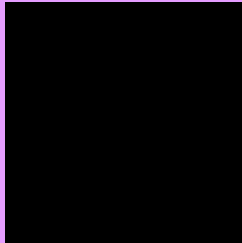
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9920, 0.2958, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 47.9920, 0.2958, 0.2275.



This preview shows how white text looks on a background with the Yxy color 47.9920, 0.2958, 0.2275.

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

47.9920, 0.2958, 0.2275

Protanopia

48.3573, 0.2492, 0.2426

Deuteranopia

48.3574, 0.2538, 0.2480



Tritanopia

48.0679, 0.3442, 0.3138

Trichromacy



Original Color

47.9920, 0.2958, 0.2275



Protanomaly

47.5462, 0.2639, 0.2356



Deuteranomaly

47.6068, 0.2672, 0.2388

Tritanomaly

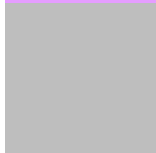
47.9786, 0.3265, 0.2803

Monochromacy



Original Color

47.9920, 0.2958, 0.2275



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.5332, 0.3063, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9920, 0.2958, 0.2275 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(229, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 157, 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(229, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.9920, 0.2958, 0.2275 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(229, 157, 255) }
```

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

```
.border{ border-color:rgb(229, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9920, 0.2958, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 157, 255) }
```

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

```
.background{ background-color: rgb(229,  
157, 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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