

Converting Colors

Yxy(50.6323, 0.2697, 0.1940)

Have a look what the booklet for
Yxy(50.6323, 0.2697, 0.1940)
contains.

Yxy(47.8185, 0.2983, 0.2262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8185, 0.2983, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	E89BFF
RGB	232, 155, 255
RGB Percent	91%, 61%, 100%
CMY	0.0900, 0.3922, 0.0000
CMYK	0.09, 0.39, 0.00, 0.00
HSL	286°, 100%, 80%
HSV	286°, 39%, 100%
XYZ	63.0604, 47.8185, 100.5203
YIQ	189.4230, 13.7920, 47.4240

Conversions

Conversions Part 2

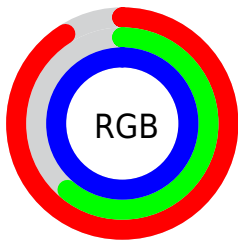
Format	Color
R _Y B	232, 155, 255
Decimal	15244287
CIE Lab	74.71, 45.10, -38.35
CIE LCh	75, 59.196, 319.626
Yxy	47.8185, 0.2983, 0.2262
Android (android.graphics.Color)	4293434367 (0xFFE89BFF)
YUV	189.4230, 32.3295, 37.3400
Hunter-Lab	69.1509, 41.7643, -37.7805

Details

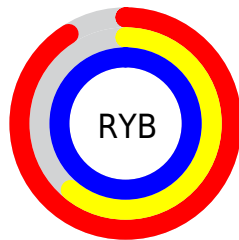
The Yxy color $47.8185, 0.2983, 0.2262$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $83.3443, 0.3205, 0.4450$, and the grayscale version is $50.9500, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $22.6939, 0.2928, 0.2037$ is the 20% darker color. If you saturate the color by 10%, you get $39.2474, 0.2931, 0.2005$, and if you desaturate by 10%, it is $58.2172, 0.3029, 0.2530$.

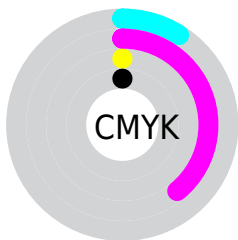
Distribution



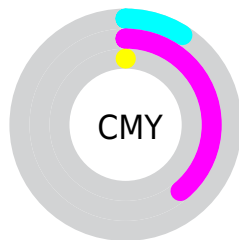
- Red (91%)
- Green (61%)
- Blue (100%)



- Red (91%)
- Yellow (61%)
- Blue (100%)



- Cyan (9%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8185, 0.2983, 0.2262 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 47.8185, 0.2983, 0.2262 by changing the saturation by 10% instead.


 47.8185, 0.2983,
0.2262

 47.8185, 0.2983,
0.2262


378.0723, 0.3068,
0.2727

 33.6832, 0.2959,
0.2160


 86.9341, 0.3016,
0.2420

 22.6503, 0.2928,
0.2036

 112.6832, 0.3028,
0.2483

 14.3355, 0.2885,
0.1884


143.0723, 0.3038,
0.2537

 8.3544, 0.2823,
0.1692


178.4858, 0.3046,
0.2584

 4.3225, 0.2731,
0.1446

219.3082, 0.3053,
0.2626

 1.8556, 0.2582,
0.1127

265.9238, 0.3059,

 0.5215, 0.2337,

0.2663

0.0661

318.7170, 0.3064,
0.2697

0.0000, 0.1791,
0.0000

0.0000, 0.0000,
0.0000

47.8185, 0.2983,
0.2262

47.8185, 0.2983,
0.2262

39.2474, 0.2931,
0.2005

58.2172, 0.3029,
0.2530

32.3852, 0.2874,
0.1769

70.5430, 0.3069,
0.2799

27.1063, 0.2813,
0.1566

84.8936, 0.3102,
0.3060

23.2656, 0.2750,
0.1406

100.0000, 0.3127,
0.3290

■ 20.6909, 0.2688,
0.1293

■ 19.1225, 0.2627,
0.1223

■ 19.0181, 0.2623,
0.1219

Harmonies

Analogous

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



47.8185, 0.2288, 0.2074



47.8185, 0.2983, 0.2262



47.8185, 0.3825, 0.2654

Triad

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



47.8185, 0.2983, 0.2262



47.8185, 0.4481, 0.4349



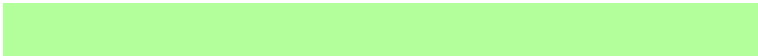
47.8185, 0.1897, 0.3166

Complementary

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



47.8185, 0.2983, 0.2262



83.3443, 0.3205, 0.4450

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.



47.8185, 0.2375, 0.4054



47.8185, 0.2983, 0.2262



47.8185, 0.3865, 0.4755

Square

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



47.8185, 0.2983, 0.2262



47.8185, 0.4747, 0.3772



47.8185, 0.3095, 0.4703



47.8185, 0.1732, 0.2484

Rectangle

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



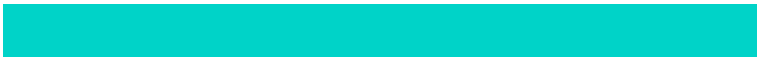
47.8185, 0.2983, 0.2262



47.8185, 0.4323, 0.2996



47.8185, 0.3095, 0.4703



47.8185, 0.2022, 0.3455

Sweetspot

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



47.8200, 0.2983, 0.2262



80.6986, 0.3093, 0.2989



46.1557, 0.2442, 0.2370



16.8626, 0.3089, 0.2955



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.



47.8200, 0.2983, 0.2262



41.0002, 0.2943, 0.2060



50.3171, 0.3399, 0.2552



18.0778, 0.3101, 0.3053



10.0079, 0.2633, 0.1224



1.0232, 0.2701, 0.1262

Inverse Universe

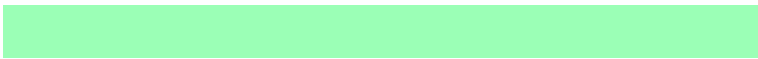
The Inverse Universe completely reimagines the original color for something new.



47.9094, 0.3884, 0.3051



41.2621, 0.4117, 0.3006



81.8501, 0.2938, 0.4168



18.0554, 0.3258, 0.3236



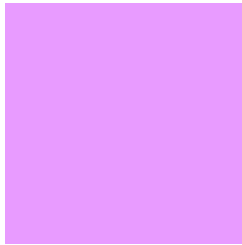
11.2899, 0.5998, 0.3078



1.1151, 0.5688, 0.2907

Previews

White Background



This preview shows how the Yxy color 47.8185, 0.2983, 0.2262 looks on a white background.

Color Contrast Check

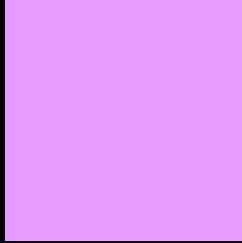
Large Text (above 18pt) WCAG AA × Fail

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 47.8185, 0.2983, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

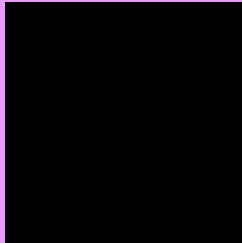
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8185, 0.2983, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 47.8185, 0.2983, 0.2262.



This preview shows how white text looks on a background with the Yxy color 47.8185, 0.2983, 0.2262.

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

47.8185, 0.2983, 0.2262

Protanopia

48.2530, 0.2486, 0.2424

Deuteranopia

48.3574, 0.2538, 0.2480



Tritanopia

47.6979, 0.3491, 0.3139

Trichromacy



Original Color

47.8185, 0.2983, 0.2262



Protanomaly

47.2898, 0.2645, 0.2347



Deuteranomaly

47.3521, 0.2678, 0.2378

Tritanomaly

47.6825, 0.3302, 0.2796

Monochromacy



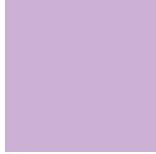
Original Color

47.8185, 0.2983, 0.2262



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.2275, 0.3080, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8185, 0.2983, 0.2262 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(232, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 155, 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(232, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8185, 0.2983, 0.2262 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(232, 155, 255) }
```

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

```
.border{ border-color:rgb(232, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8185, 0.2983, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 155, 255) }
```

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

```
.background{ background-color: rgb(232,  
155, 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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