

Converting Colors

$Y_{xy}(64.4979, 0.2955, 0.2707)$

Have a look what the booklet for
Yxy(64.4979, 0.2955, 0.2707)
contains.

Yxy(64.5608, 0.2956, 0.2708)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5608, 0.2956, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	E4C7FF
RGB	228, 199, 255
RGB Percent	89%, 78%, 100%
CMY	0.1058, 0.2196, 0.0000
CMYK	0.11, 0.22, 0.00, 0.00
HSL	271°, 100%, 89%
HSV	271°, 22%, 100%
XYZ	70.4733, 64.5608, 103.3736
YIQ	214.0550, -0.6920, 23.5640

Conversions

Conversions Part 2

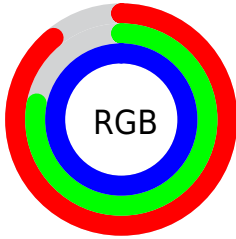
Format	Color
R_{YB}	228, 199, 255
Decimal	14993407
CIE _{Lab}	84.26, 20.41, -23.71
CIE _{LCh}	84, 31.284, 310.717
Yxy	64.5608, 0.2956, 0.2708
Android (android.graphics.Color)	4293183487 (0xFFE4C7FF)
YUV	214.0550, 20.1859, 12.2298
Hunter-Lab	80.3497, 15.9471, -20.0345

Details

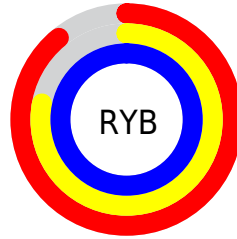
The Yxy color $64.5608, 0.2956, 0.2708$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $91.8102, 0.3268, 0.3875$, and the grayscale version is $67.1471, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.0987, 0.2910, 0.2580$ is the 20% darker color. If you saturate the color by 10%, you get $51.8553, 0.2858, 0.2417$, and if you desaturate by 10%, it is $79.3776, 0.3041, 0.2985$.

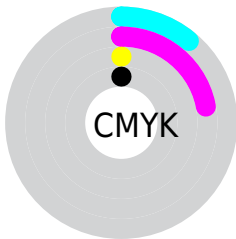
Distribution



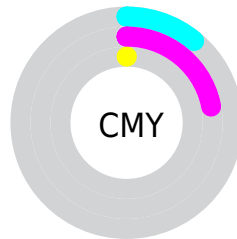
- Red (89%)
- Green (78%)
- Blue (100%)



- Red (89%)
- Yellow (78%)
- Blue (100%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5608, 0.2956, 0.2708 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 64.5608, 0.2956, 0.2708 by changing the saturation by 10% instead.


 64.5608, 0.2956,
0.2708

 64.5608, 0.2956,
0.2708


441.2120, 0.3040,
0.2971

 47.1050, 0.2936,
0.2650


111.4182, 0.2986,
0.2798

 33.1187, 0.2910,
0.2578


141.5886, 0.2998,
0.2833

 22.2174, 0.2877,
0.2489


176.7660, 0.3007,
0.2864

 14.0167, 0.2833,
0.2375

217.3348, 0.3016,
0.2891

 8.1323, 0.2770,
0.2225

263.6794, 0.3023,
0.2915

 4.1797, 0.2677,
0.2018

316.1842, 0.3029,

 1.7746, 0.2526,

0.2936

0.1718

375.2336, 0.3035,
0.2954

0.4713, 0.2282,
0.1131

0.0000, 0.0000,
0.0000

64.5608, 0.2956,
0.2708

64.5608, 0.2956,
0.2708

51.8553, 0.2858,
0.2417

79.3776, 0.3041,
0.2985

41.1567, 0.2748,
0.2118

96.3960, 0.3114,
0.3242

32.3568, 0.2627,
0.1824

100.0000, 0.3127,
0.3290

25.3355, 0.2499,
0.1549

■ 19.9584, 0.2369,
0.1307

■ 16.0710, 0.2243,
0.1112

■ 13.4877, 0.2126,
0.0973

■ 12.1342, 0.2040,
0.0897

Harmonies

Analogous

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



64.5608, 0.2625, 0.2654



64.5608, 0.2956, 0.2708



64.5608, 0.3354, 0.2894

Triad

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



64.5608, 0.2956, 0.2708



64.5608, 0.3863, 0.3786



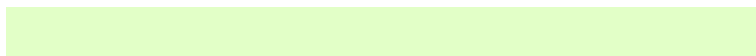
64.5608, 0.2570, 0.3374

Complementary

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



64.5608, 0.2956, 0.2708



91.8102, 0.3268, 0.3875

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.



64.5608, 0.2875, 0.3740



64.5608, 0.2956, 0.2708



64.5608, 0.3625, 0.3972

Square

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



64.5608, 0.2956, 0.2708



64.5608, 0.3897, 0.3493



64.5608, 0.3260, 0.3966



64.5608, 0.2414, 0.3008

Rectangle

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



64.5608, 0.2956, 0.2708



64.5608, 0.3603, 0.3073



64.5608, 0.3260, 0.3966



64.5608, 0.2657, 0.3503

Sweetspot

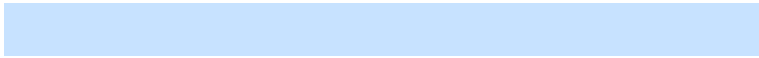
The Sweet Spot groups the original color and five complimentary colors.



64.5620, 0.2956, 0.2708



87.5401, 0.3079, 0.3115



73.7905, 0.2777, 0.2977



18.5183, 0.3075, 0.3100



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.



64.5620, 0.2956, 0.2708



59.1819, 0.2918, 0.2592



69.2662, 0.3159, 0.2751



17.8406, 0.3060, 0.3050



6.4298, 0.2057, 0.0907



0.6911, 0.2177, 0.0973

Inverse Universe

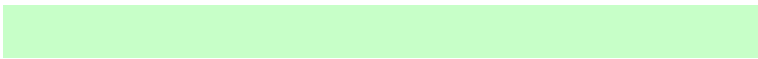
The Inverse Universe completely reimagines the original color for something new.



67.5965, 0.3366, 0.3018



62.7282, 0.3421, 0.2965



87.8289, 0.3093, 0.3896



18.1329, 0.3218, 0.3176



11.8845, 0.5041, 0.2551



1.1791, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 64.5608, 0.2956, 0.2708 looks on a white background.

Color Contrast Check

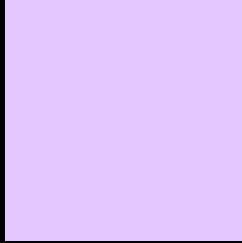
Large Text (above 18pt) WCAG AA × Fail

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 64.5608, 0.2956, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

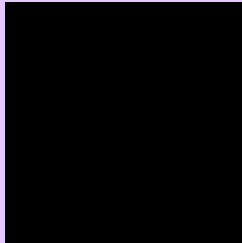
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5608, 0.2956, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 64.5608, 0.2956, 0.2708.

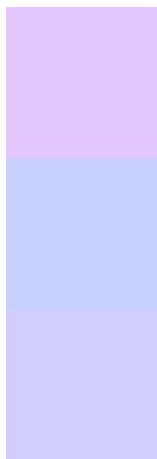


This preview shows how white text looks on a background with the Yxy color 64.5608, 0.2956, 0.2708.

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

64.5608, 0.2956, 0.2708

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.8537, 0.2833, 0.2773



Tritanopia

64.5711, 0.3151, 0.3115

Trichromacy



Original Color

64.5608, 0.2956, 0.2708

Protanomaly

64.5843, 0.2833, 0.2753

Deuteranomaly

64.4666, 0.2879, 0.2747

Tritanomaly

64.6026, 0.3082, 0.2967

Monochromacy



Original Color

64.5608, 0.2956, 0.2708

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.3181, 0.3064, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5608, 0.2956, 0.2708 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(228, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 199, 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(228, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5608, 0.2956, 0.2708 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(228, 199, 255) }
```

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

```
.border{ border-color:rgb(228, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5608, 0.2956, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 199, 255) }
```

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

```
.background{ background-color: rgb(228,  
199, 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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