

Converting Colors

$Y_{xy}(55.7595, 0.2939, 0.2574)$

Have a look what the booklet for
Yxy(55.7595, 0.2939, 0.2574)
contains.

Yxy(55.6676, 0.2942, 0.2573)	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(55.6676, 0.2942, 0.2573)

Conversions

Conversions Part 1

Format	Color
Hex	DDB6F9
RGB	221, 182, 249
RGB Percent	87%, 71%, 98%
CMY	0.1333, 0.2863, 0.0234
CMYK	0.11, 0.27, 0.00, 0.02
HSL	275°, 85%, 85%
HSV	275°, 27%, 98%
XYZ	63.6510, 55.6676, 97.0343
YIQ	201.2990, 1.7370, 29.1050

Conversions

Conversions Part 2

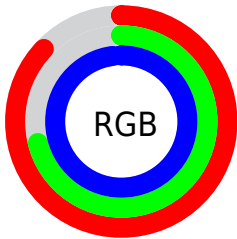
Format	Color
R _Y B	221, 182, 249
Decimal	14530297
CIE Lab	79.42, 26.14, -27.94
CIE LCh	79, 38.259, 313.089
Yxy	55.6676, 0.2942, 0.2573
Android (android.graphics.Color)	4292720377 (0xFFDDB6F9)
YUV	201.2990, 23.5166, 17.2778
Hunter-Lab	74.6107, 21.7111, -24.8815

Details

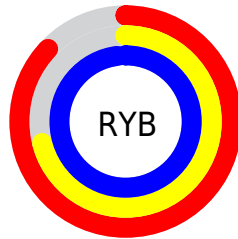
The Yxy color $55.6676, 0.2942, 0.2573$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $84.8492, 0.3270, 0.4026$, and the grayscale version is $58.4566, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.6291, 0.3135, 0.3127$, and $27.5056, 0.2889, 0.2416$ is the 20% darker color. If you saturate the color by 10%, you get $44.7775, 0.2853, 0.2284$, and if you desaturate by 10%, it is $68.4773, 0.3020, 0.2853$.

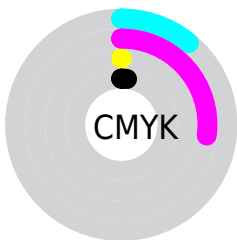
Distribution



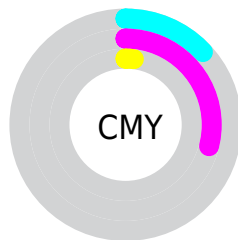
- Red (87%)
- Green (71%)
- Blue (98%)



- Red (87%)
- Yellow (71%)
- Blue (98%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)




- Cyan (13%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6676, 0.2942, 0.2573 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 55.6676, 0.2942, 0.2573 by changing the saturation by 10% instead.


 55.6676, 0.2942,
0.2573

 55.6676, 0.2942,
0.2573


408.4376, 0.3037,
0.2901

 39.9365, 0.2918,
0.2499


 98.5184, 0.2977,
0.2686

 27.4890, 0.2888,
0.2409


126.4069, 0.2990,
0.2730

 17.9408, 0.2847,
0.2296


159.1166, 0.3001,
0.2768

 10.9075, 0.2792,
0.2151

197.0320, 0.3010,
0.2802

 6.0047, 0.2712,
0.1959

240.5373, 0.3018,
0.2831

 2.8479, 0.2589,
0.1696

290.0171, 0.3025,

 1.0529, 0.2380,

0.2857

0.1318

345.8558, 0.3032,
0.2880

0.0000, 0.2074,
0.0000

0.0000, 0.0000,
0.0000

55.6676, 0.2942,
0.2573

55.6676, 0.2942,
0.2573

44.7775, 0.2853,
0.2284

68.4773, 0.3020,
0.2853

35.7020, 0.2753,
0.1996

83.2903, 0.3087,
0.3118

28.3367, 0.2645,
0.1720

99.1009, 0.3144,
0.3347

22.5631, 0.2532,
0.1471

99.6213, 0.3162,
0.3347

■ 18.2472, 0.2418,
0.1263

■ 15.2320, 0.2308,
0.1104

■ 13.3181, 0.2206,
0.0998

■ 12.8559, 0.2176,
0.0972

Harmonies

Analogous

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



55.6676, 0.2516, 0.2487



55.6676, 0.2942, 0.2573



55.6676, 0.3455, 0.2815

Triad

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



55.6676, 0.2942, 0.2573



55.6676, 0.4052, 0.3935



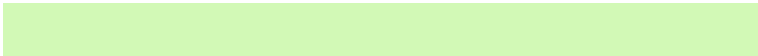
55.6676, 0.2395, 0.3350

Complementary

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



55.6676, 0.2942, 0.2573



84.8492, 0.3270, 0.4026

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.



55.6676, 0.2763, 0.3845



55.6676, 0.2942, 0.2573



55.6676, 0.3722, 0.4174

Square

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



55.6676, 0.2942, 0.2573



55.6676, 0.4126, 0.3564



55.6676, 0.3248, 0.4161



55.6676, 0.2222, 0.2887

Rectangle

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



55.6676, 0.2942, 0.2573



55.6676, 0.3772, 0.3040



55.6676, 0.3248, 0.4161



55.6676, 0.2498, 0.3521

Sweetspot

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



55.6699, 0.2942, 0.2573



86.0865, 0.3080, 0.3090



63.3962, 0.2691, 0.2858



17.9000, 0.3071, 0.3051



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.



55.6699, 0.2942, 0.2573



52.6164, 0.2898, 0.2426



60.1652, 0.3192, 0.2660



17.1420, 0.3071, 0.3051



6.9653, 0.2191, 0.0981



0.7074, 0.2308, 0.1045

Inverse Universe

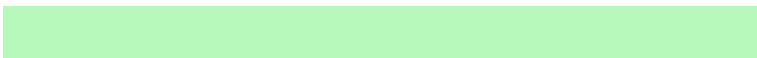
The Inverse Universe completely reimagines the original color for something new.



58.2533, 0.3470, 0.2997



55.8305, 0.3557, 0.2939



81.2781, 0.3066, 0.4014



17.3456, 0.3228, 0.3191



11.3431, 0.5308, 0.2698



1.0712, 0.4999, 0.2528

Previews

White Background



This preview shows how the Yxy color 55.6676, 0.2942, 0.2573 looks on a white background.

Color Contrast Check

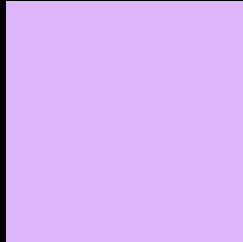
Large Text (above 18pt) WCAG AA × Fail

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 55.6676, 0.2942, 0.2573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

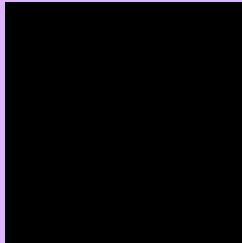
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6676, 0.2942, 0.2573

Background



This preview shows how black text looks on a background with the Yxy color 55.6676, 0.2942, 0.2573.

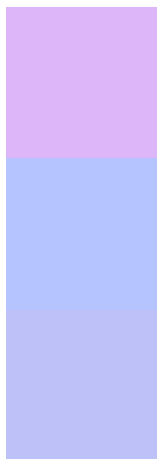


This preview shows how white text looks on a background with the Yxy color 55.6676, 0.2942, 0.2573.

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

55.6676, 0.2942, 0.2573

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

55.8025, 0.2736, 0.2674



Tritanopia

55.5308, 0.3209, 0.3117

Trichromacy



Original Color

55.6676, 0.2942, 0.2573

Protanomaly

55.6545, 0.2738, 0.2587

Deuteranomaly

55.5900, 0.2804, 0.2632

Tritanomaly

55.5128, 0.3113, 0.2907

Monochromacy



Original Color

55.6676, 0.2942, 0.2573

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

57.0554, 0.3062, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6676, 0.2942, 0.2573 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(221, 182, 249)` looks like.

```
.text, #text, p{  
    color:rgb(221, 182, 249)  
}
```

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(221, 182, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 182, 249) }
```

Border

The CSS property to change the border of an element to Yxy 55.6676, 0.2942, 0.2573 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(221, 182, 249) }
```

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

```
.border{ border-color:rgb(221, 182, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 182, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 182, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 182, 249);  
box-shadow:4px 4px 4px 4px rgb(221, 182,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6676, 0.2942, 0.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 182, 249) }
```

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

```
.background{ background-color: rgb(221,  
182, 249) }
```

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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