

Converting Colors

$Y_{xy}(56.6729, 0.2944, 0.2614)$

Have a look what the booklet for
Yxy(56.6729, 0.2944, 0.2614)
contains.

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Color

Yxy(56.6909, 0.2942, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	DCB9F8
RGB	220, 185, 248
RGB Percent	86%, 73%, 97%
CMY	0.1373, 0.2745, 0.0275
CMYK	0.11, 0.25, 0.00, 0.03
HSL	273°, 82%, 85%
HSV	273°, 25%, 97%
XYZ	63.8044, 56.6909, 96.3789
YIQ	202.6470, 0.6370, 27.0130

Conversions

Conversions Part 2

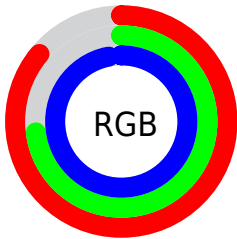
Format	Color
RYB	220, 185, 248
Decimal	14465528
CIELab	80.01, 23.98, -26.50
CIElCh	80, 35.743, 312.140
Yxy	56.6909, 0.2942, 0.2614
Android (android.graphics.Color)	4292655608 (0xFFDCB9F8)
YUV	202.6470, 22.3590, 15.2186
Hunter-Lab	75.2934, 19.4994, -23.1885

Details

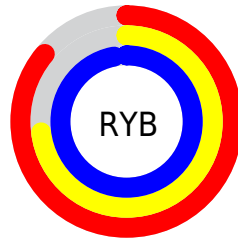
The Yxy color **56.6909, 0.2942, 0.2614** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **84.7801, 0.3273, 0.3978**, and the grayscale version is **59.3462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **28.1566, 0.2889, 0.2468** is the 20% darker color. If you saturate the color by 10%, you get **45.5422, 0.2848, 0.2323**, and if you desaturate by 10%, it is **69.7674, 0.3024, 0.2894**.

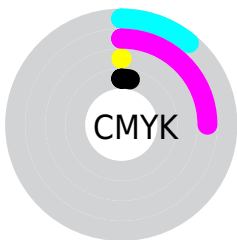
Distribution



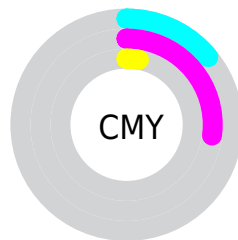
- Red (86%)
- Green (73%)
- Blue (97%)



- Red (86%)
- Yellow (73%)
- Blue (97%)



- Cyan (11%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)





- Cyan (14%)
- Magenta (27%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6909, 0.2942, 0.2614 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 56.6909, 0.2942, 0.2614 by changing the saturation by 10% instead.

 56.6909, 0.2942,
0.2614

 56.6909, 0.2942,
0.2614


412.2901, 0.3036,
0.2924

 40.7571, 0.2919,
0.2544


 100.0140, 0.2976,
0.2721

 28.1294, 0.2889,
0.2459


128.1722, 0.2989,
0.2762

 18.4232, 0.2849,
0.2352


161.1739, 0.3000,
0.2799

 11.2542, 0.2796,
0.2214

199.4036, 0.3009,
0.2830

 6.2381, 0.2719,
0.2031

243.2457, 0.3017,
0.2858

 2.9904, 0.2600,
0.1777


293.0845, 0.3024,

 1.1267, 0.2399,


0.2882

0.1411


349.3045, 0.3031,
0.2904

 0.0006, 0.2137,
0.0002


 0.0000, 0.0000,
0.0000

 56.6909, 0.2942,
0.2614


 56.6909, 0.2942,
0.2614


 45.5422, 0.2848,
0.2323

 69.7674, 0.3024,
0.2894

 36.2180, 0.2744,
0.2031

 84.8537, 0.3094,
0.3157

 28.6160, 0.2630,
0.1748

 99.1919, 0.3156,
0.3357

 22.6206, 0.2510,
0.1489

 99.5568, 0.3168,
0.3357

■ 18.1014, 0.2390,
0.1268

■ 14.9067, 0.2273,
0.1097

■ 12.8498, 0.2165,
0.0981

■ 12.1588, 0.2119,
0.0941

Harmonies

Analogous

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



56.6909, 0.2548, 0.2540



56.6909, 0.2942, 0.2614



56.6909, 0.3418, 0.2837

Triad

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



56.6909, 0.2942, 0.2614



56.6909, 0.3994, 0.3885



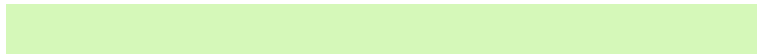
56.6909, 0.2453, 0.3363

Complementary

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



56.6909, 0.2942, 0.2614



84.7801, 0.3273, 0.3978

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.



56.6909, 0.2803, 0.3815



56.6909, 0.2942, 0.2614



56.6909, 0.3696, 0.4108

Square

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



56.6909, 0.2942, 0.2614



56.6909, 0.4052, 0.3539



56.6909, 0.3257, 0.4099



56.6909, 0.2283, 0.2930

Rectangle

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



56.6909, 0.2942, 0.2614



56.6909, 0.3713, 0.3048



56.6909, 0.3257, 0.4099



56.6909, 0.2552, 0.3521

Sweetspot

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



56.6933, 0.2942, 0.2614



85.9883, 0.3077, 0.3090



64.8577, 0.2718, 0.2898



17.8752, 0.3066, 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.



56.6933, 0.2942, 0.2614



54.6312, 0.2900, 0.2480



61.2397, 0.3180, 0.2686



17.1184, 0.3067, 0.3051



6.6532, 0.2134, 0.0949



0.6791, 0.2256, 0.1016

Inverse Universe

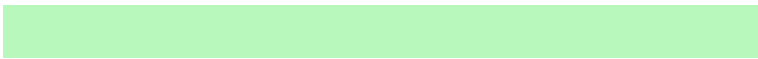
The Inverse Universe completely reimagines the original color for something new.



59.4612, 0.3431, 0.2997



58.0792, 0.3505, 0.2941



81.0828, 0.3076, 0.3979



17.3535, 0.3224, 0.3185



11.4188, 0.5197, 0.2637



1.0785, 0.4901, 0.2473

Previews

White Background



This preview shows how the Yxy color 56.6909, 0.2942, 0.2614 looks on a white background.

Color Contrast Check

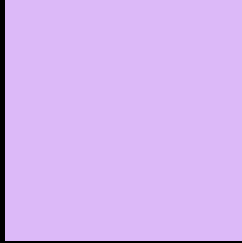
Large Text (above 18pt) WCAG AA × Fail

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 56.6909, 0.2942, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

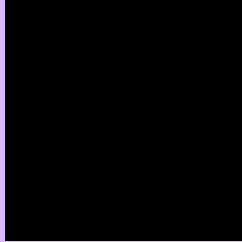
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6909, 0.2942, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 56.6909, 0.2942, 0.2614.

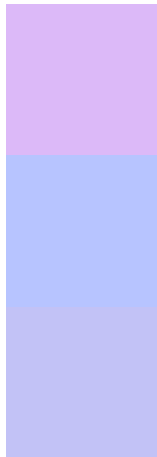


This preview shows how white text looks on a background with the Yxy color 56.6909, 0.2942, 0.2614.

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

56.6909, 0.2942, 0.2614

Protanopia

56.7671, 0.2646, 0.2620

Deuteranopia

56.7067, 0.2771, 0.2701



Tritanopia

56.9901, 0.3183, 0.3118

Trichromacy



Original Color

56.6909, 0.2942, 0.2614

Protanomaly

56.4633, 0.2746, 0.2620

Deuteranomaly

56.6735, 0.2826, 0.2667

Tritanomaly

56.7536, 0.3089, 0.2919

Monochromacy



Original Color

56.6909, 0.2942, 0.2614

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

58.1496, 0.3062, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6909, 0.2942, 0.2614 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(220, 185, 248)` looks like.

```
.text, #text, p{  
    color:rgb(220, 185, 248)  
}
```

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(220, 185, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 185, 248) }
```

Border

The CSS property to change the border of an element to Yxy 56.6909, 0.2942, 0.2614 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(220, 185, 248) }
```

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

```
.border{ border-color:rgb(220, 185, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 185, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 185, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 185, 248);  
box-shadow:4px 4px 4px 4px rgb(220, 185,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6909, 0.2942, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 185, 248) }
```

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

```
.background{ background-color: rgb(220,  
185, 248) }
```

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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