

Converting Colors

Yxy(55.4938, 0.2829, 0.2471)

Have a look what the booklet for
Yxy(55.4938, 0.2829, 0.2471)
contains.

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Color

Yxy(55.1230, 0.2856, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	D7B6FF
RGB	215, 182, 255
RGB Percent	84%, 71%, 100%
CMY	0.1570, 0.2862, 0.0000
CMYK	0.16, 0.29, 0.00, 0.00
HSL	267°, 100%, 86%
HSV	267°, 29%, 100%
XYZ	62.7967, 55.1230, 101.9567
YIQ	200.1890, -3.7650, 29.6990

Conversions

Conversions Part 2

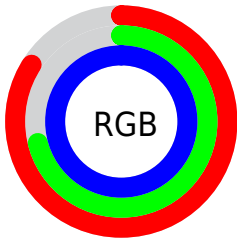
Format	Color
R _Y B	215, 182, 255
Decimal	14137087
CIE _{Lab}	79.11, 25.52, -31.68
CIE _{LCh}	79, 40.677, 308.849
Yxy	55.1230, 0.2856, 0.2507
Android (android.graphics.Color)	4292327167 (0xFFD7B6FF)
YUV	200.1890, 27.0218, 12.9892
Hunter-Lab	74.2449, 21.0477, -29.4485

Details

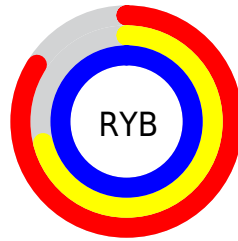
The Yxy color $55.1230, 0.2856, 0.2507$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $90.4358, 0.3340, 0.4063$, and the grayscale version is $57.7115, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.6291, 0.3135, 0.3127$, and $27.1487, 0.2777, 0.2331$ is the 20% darker color. If you saturate the color by 10%, you get $43.5844, 0.2735, 0.2203$, and if you desaturate by 10%, it is $68.7459, 0.2964, 0.2799$.

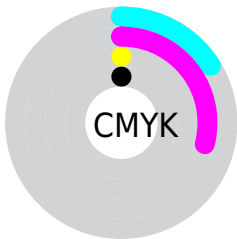
Distribution



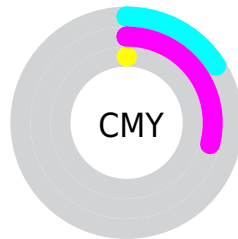
- Red (84%)
- Green (71%)
- Blue (100%)



- Red (84%)
- Yellow (71%)
- Blue (100%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1230, 0.2856, 0.2507 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 55.1230, 0.2856, 0.2507 by changing the saturation by 10% instead.


 55.1230, 0.2856,
0.2507

 55.1230, 0.2856,
0.2507


406.3780, 0.2992,
0.2865

 39.5002, 0.2823,
0.2427

 97.7211, 0.2905,
0.2630

 27.1491, 0.2780,
0.2330

125.4653, 0.2924,
0.2678

 17.6852, 0.2725,
0.2208


158.0187, 0.2940,
0.2720

 10.7242, 0.2649,
0.2052

195.7657, 0.2953,
0.2756

 5.8817, 0.2543,
0.1848

239.0907, 0.2965,
0.2788

 2.7733, 0.2383,
0.1571

288.3782, 0.2975,

 1.0145, 0.2123,

0.2816

0.1184

344.0125, 0.2984,
0.2842

0.0000, 0.1681,
0.0000

0.0000, 0.0000,
0.0000

55.1230, 0.2856,
0.2507

55.1230, 0.2856,
0.2507

43.5844, 0.2735,
0.2203

68.7459, 0.2964,
0.2799

34.0199, 0.2601,
0.1896

84.5506, 0.3057,
0.3073

26.3125, 0.2459,
0.1602

100.0000, 0.3127,
0.3290

20.3316, 0.2314,
0.1336

■ 15.9283, 0.2172,
0.1114

■ 12.9275, 0.2042,
0.0948

■ 11.0814, 0.1928,
0.0840

■ 10.8728, 0.1913,
0.0828

Harmonies

Analogous

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



55.1230, 0.2428, 0.2441



55.1230, 0.2856, 0.2507



55.1230, 0.3398, 0.2741

Triad

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



55.1230, 0.2856, 0.2507



55.1230, 0.4141, 0.3920



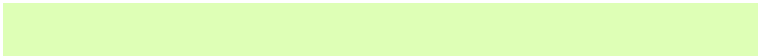
55.1230, 0.2392, 0.3430

Complementary

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



55.1230, 0.2856, 0.2507



90.4358, 0.3340, 0.4063

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.



55.1230, 0.2805, 0.3949



55.1230, 0.2856, 0.2507



55.1230, 0.3820, 0.4209

Square

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



55.1230, 0.2856, 0.2507



55.1230, 0.4178, 0.3516



55.1230, 0.3327, 0.4245



55.1230, 0.2179, 0.2918

Rectangle

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



55.1230, 0.2856, 0.2507



55.1230, 0.3749, 0.2970



55.1230, 0.3327, 0.4245



55.1230, 0.2510, 0.3614

Sweetspot

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



55.1238, 0.2856, 0.2507



83.9114, 0.3054, 0.3063



69.4929, 0.2672, 0.2924



17.4411, 0.3041, 0.3024



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.



55.1238, 0.2856, 0.2507



48.6650, 0.2792, 0.2344



61.2567, 0.3132, 0.2569



17.7792, 0.3050, 0.3049



5.7671, 0.1930, 0.0837



0.6253, 0.2055, 0.0906

Inverse Universe

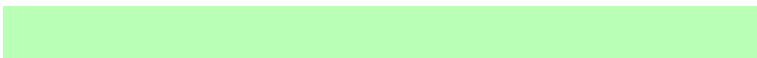
The Inverse Universe completely reimagines the original color for something new.



59.9989, 0.3419, 0.2883



54.3268, 0.3492, 0.2803



85.2952, 0.3110, 0.4120



18.1538, 0.3208, 0.3160



12.1269, 0.4759, 0.2395



1.2028, 0.4533, 0.2271

Previews

White Background



This preview shows how the Yxy color 55.1230, 0.2856, 0.2507 looks on a white background.

Color Contrast Check

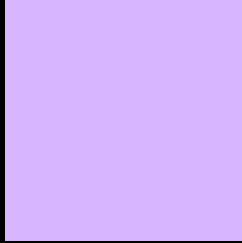
Large Text (above 18pt) WCAG AA × Fail

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 55.1230, 0.2856, 0.2507 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 55.1230, 0.2856, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 55.1230, 0.2856, 0.2507.

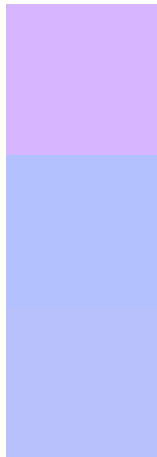


This preview shows how white text looks on a background with the Yxy color 55.1230, 0.2856, 0.2507.

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

55.1230, 0.2856, 0.2507

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

55.5461, 0.2667, 0.2608



Tritanopia

54.9832, 0.3143, 0.3114

Trichromacy



Original Color

55.1230, 0.2856, 0.2507

Protanomaly

55.2534, 0.2699, 0.2562

Deuteranomaly

55.2867, 0.2731, 0.2566

Tritanomaly

55.0499, 0.3035, 0.2880

Monochromacy



Original Color

55.1230, 0.2856, 0.2507

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.2864, 0.3024, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1230, 0.2856, 0.2507 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(215, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 182, 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(215, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.1230, 0.2856, 0.2507 is called "border". The border property can be set on classes, ids or directly on the HTML element.

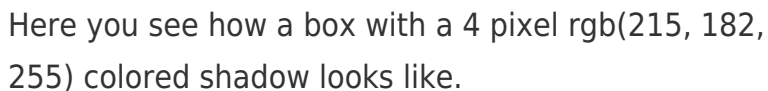
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 182, 255) }
```

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

```
.border{ border-color:rgb(215, 182, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 182, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 182, 255); box-shadow:4px 4px 4px 4px rgb(215, 182, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1230, 0.2856, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 182, 255) }
```

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

```
.background{ background-color: rgb(215,  
182, 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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