

Converting Colors

$Y_{xy}(56.0044, 0.2783, 0.2555)$

Have a look what the booklet for
Yxy(56.0044, 0.2783, 0.2555)
contains.

Yxy(56.0238, 0.2780, 0.2556)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.0238, 0.2780, 0.2556)

Conversions

Conversions Part 1

Format	Color
Hex	CCBCFF
RGB	204, 188, 255
RGB Percent	80%, 74%, 100%
CMY	0.2001, 0.2627, 0.0000
CMYK	0.20, 0.26, 0.00, 0.00
HSL	254°, 100%, 87%
HSV	254°, 26%, 100%
XYZ	60.9336, 56.0238, 102.2281
YIQ	200.4220, -11.9710, 24.2290

Conversions

Conversions Part 2

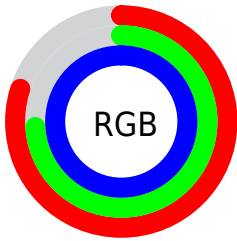
Format	Color
RYB	204, 188, 255
Decimal	13417727
CIELab	79.63, 18.94, -30.96
CIELCh	80, 36.300, 301.458
Yxy	56.0238, 0.2780, 0.2556
Android (android.graphics.Color)	4291607807 (0xFFCCBCFF)
YUV	200.4220, 26.9070, 3.1379
Hunter-Lab	74.8490, 14.3285, -28.5834

Details

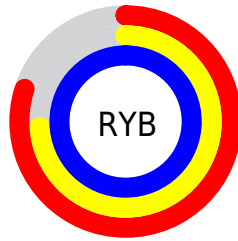
The Yxy color **56.0238, 0.2780, 0.2556** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.5065, 0.3418, 0.3973**, and the grayscale version is **57.8677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1814, 0.3132, 0.3185**, and **27.7947, 0.2690, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **43.4999, 0.2616, 0.2233**, and if you desaturate by 10%, it is **70.8162, 0.2927, 0.2858**.

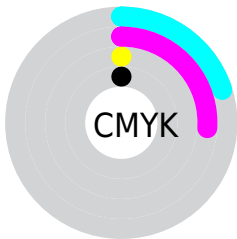
Distribution



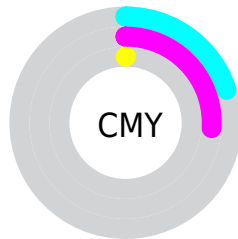
- Red (80%)
- Green (74%)
- Blue (100%)



- Red (80%)
- Yellow (74%)
- Blue (100%)



- Cyan (20%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0238, 0.2780, 0.2556 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 56.0238, 0.2780, 0.2556 by changing the saturation by 10% instead.


 56.0238, 0.2780,
0.2556

 56.0238, 0.2780,
0.2556


409.7812, 0.2950,
0.2894

 40.2220, 0.2739,
0.2480

 99.0394, 0.2841,
0.2672

 27.7117, 0.2688,
0.2387


127.0219, 0.2864,
0.2718

 18.1084, 0.2621,
0.2271


159.8336, 0.2884,
0.2757

 11.0279, 0.2533,
0.2121

197.8586, 0.2901,
0.2791

 6.0856, 0.2409,
0.1923

241.4815, 0.2915,
0.2821

 2.8972, 0.2226,
0.1652

291.0867, 0.2928,

 1.0783, 0.1938,

0.2848

0.1268

347.0584, 0.2940,
0.2872

0.0000, 0.1380,
0.0000

0.0000, 0.0000,
0.0000

56.0238, 0.2780,
0.2556

56.0238, 0.2780,
0.2556

43.4999, 0.2616,
0.2233

70.8162, 0.2927,
0.2858

33.1282, 0.2439,
0.1899

87.9805, 0.3056,
0.3132

24.7856, 0.2254,
0.1570

100.0000, 0.3127,
0.3290

18.3355, 0.2072,
0.1265

■ 13.6238, 0.1903,
0.1007

■ 10.4711, 0.1760,
0.0815

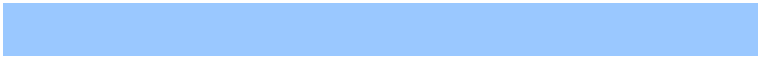
■ 8.6569, 0.1651,
0.0696

■ 8.2059, 0.1619,
0.0665

Harmonies

Analogous

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



56.0238, 0.2432, 0.2542



56.0238, 0.2780, 0.2556



56.0238, 0.3249, 0.2733

Triad

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



56.0238, 0.2780, 0.2556



56.0238, 0.4063, 0.3778



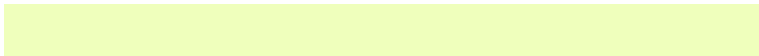
56.0238, 0.2549, 0.3536

Complementary

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



56.0238, 0.2780, 0.2556



93.5065, 0.3418, 0.3973

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.



56.0238, 0.2955, 0.3958



56.0238, 0.2780, 0.2556



56.0238, 0.3837, 0.4064

Square

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



56.0238, 0.2780, 0.2556



56.0238, 0.4023, 0.3406



56.0238, 0.3427, 0.4152



56.0238, 0.2306, 0.3067

Rectangle

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



56.0238, 0.2780, 0.2556



56.0238, 0.3570, 0.2924



56.0238, 0.3427, 0.4152



56.0238, 0.2670, 0.3692

Sweetspot

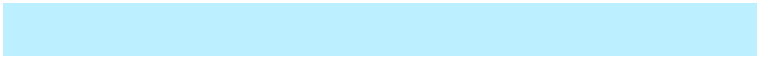
The Sweet Spot groups the original color and five complimentary colors.



56.0246, 0.2780, 0.2556



84.8395, 0.3035, 0.3087



79.8614, 0.2726, 0.3120



17.5868, 0.3016, 0.3047



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.



56.0246, 0.2780, 0.2556



48.5794, 0.2688, 0.2373



61.2177, 0.3023, 0.2606



17.5868, 0.3016, 0.3047



4.3443, 0.1632, 0.0672



0.4706, 0.1738, 0.0731

Inverse Universe

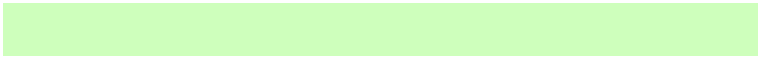
The Inverse Universe completely reimagines the original color for something new.



63.4634, 0.3277, 0.2780



57.3304, 0.3318, 0.2667



88.2548, 0.3202, 0.4022



18.2219, 0.3175, 0.3111



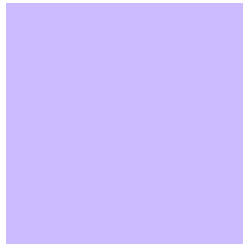
13.1732, 0.3924, 0.1935



1.2996, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 56.0238, 0.2780, 0.2556 looks on a white background.

Color Contrast Check

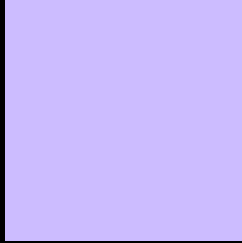
Large Text (above 18pt) WCAG AA × Fail

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 56.0238, 0.2780, 0.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

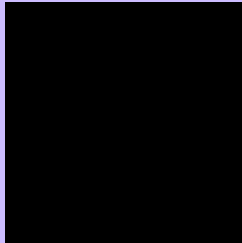
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0238, 0.2780, 0.2556

Background



This preview shows how black text looks on a background with the Yxy color 56.0238, 0.2780, 0.2556.

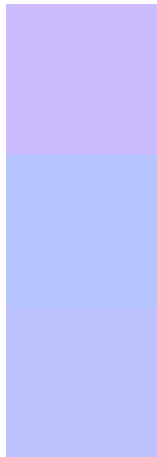


This preview shows how white text looks on a background with the Yxy color 56.0238, 0.2780, 0.2556.

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

56.0238, 0.2780, 0.2556

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

56.3041, 0.2675, 0.2612



Tritanopia

55.9691, 0.3012, 0.3099

Trichromacy



Original Color

56.0238, 0.2780, 0.2556

Protanomaly

55.7381, 0.2681, 0.2581

Deuteranomaly

56.1925, 0.2714, 0.2596

Tritanomaly

55.8835, 0.2923, 0.2885

Monochromacy



Original Color

56.0238, 0.2780, 0.2556

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.0647, 0.2994, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0238, 0.2780, 0.2556 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(204, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 188, 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(204, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.0238, 0.2780, 0.2556 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(204, 188, 255) }
```

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

```
.border{ border-color:rgb(204, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0238, 0.2780, 0.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 188, 255) }
```

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

```
.background{ background-color: rgb(204,  
188, 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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