

Converting Colors

$Y_{xy}(50.7797, 0.2686, 0.2393)$

Have a look what the booklet for
Yxy(50.7797, 0.2686, 0.2393)
contains.

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Color

Yxy(50.6629, 0.2708, 0.2429)

Conversions

Conversions Part 1

Format	Color
Hex	C3B2FF
RGB	195, 178, 255
RGB Percent	76%, 70%, 100%
CMY	0.2352, 0.3020, 0.0000
CMYK	0.24, 0.30, 0.00, 0.00
HSL	253°, 100%, 85%
HSV	253°, 30%, 100%
XYZ	56.4821, 50.6629, 101.4301
YIQ	191.8610, -14.5850, 27.5510

Conversions

Conversions Part 2

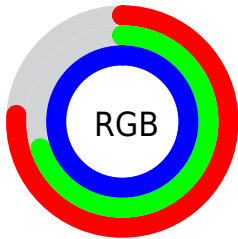
Format	Color
RYB	195, 178, 255
Decimal	12825343
CIELab	76.47, 21.77, -35.89
CIELCh	76, 41.976, 301.240
Yxy	50.6629, 0.2708, 0.2429
Android (android.graphics.Color)	4291015423 (0xFFC3B2FF)
YUV	191.8610, 31.1275, 2.7529
Hunter-Lab	71.1779, 17.0847, -34.6651

Details

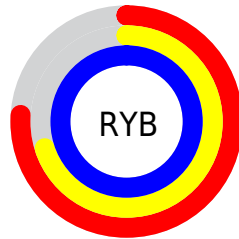
The Yxy color **50.6629, 0.2708, 0.2429** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.9072, 0.3469, 0.4078**, and the grayscale version is **52.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9483, 0.3123, 0.3087**, and **24.3199, 0.2593, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **38.9694, 0.2535, 0.2099**, and if you desaturate by 10%, it is **64.5951, 0.2865, 0.2741**.

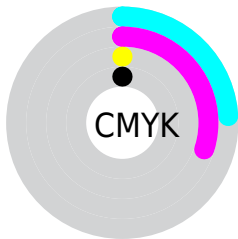
Distribution



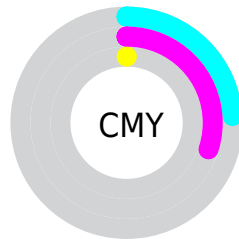
- Red (76%)
- Green (70%)
- Blue (100%)



- Red (76%)
- Yellow (70%)
- Blue (100%)



- Cyan (24%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6629, 0.2708, 0.2429 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 50.6629, 0.2708, 0.2429 by changing the saturation by 10% instead.


 50.6629, 0.2708,
0.2429

 50.6629, 0.2708,
0.2429


389.2527, 0.2916,
0.2827

 35.9404, 0.2657,
0.2339


 91.1563, 0.2783,
0.2566

 24.3882, 0.2593,
0.2229


117.6960, 0.2811,
0.2620

 15.6218, 0.2511,
0.2092


148.9435, 0.2835,
0.2666

 9.2569, 0.2399,
0.1916

185.2833, 0.2856,
0.2707

 4.9092, 0.2244,
0.1685

227.0997, 0.2874,
0.2742

 2.1941, 0.2015,
0.1374

274.7771, 0.2890,

 0.7168, 0.1661,

0.2774

0.0937

328.7000, 0.2904,
0.2802

0.0000, 0.0587,
0.0000

0.0000, 0.0000,
0.0000

50.6629, 0.2708,
0.2429

50.6629, 0.2708,
0.2429

38.9694, 0.2535,
0.2099

64.5951, 0.2865,
0.2741

29.3950, 0.2351,
0.1762

80.8744, 0.3004,
0.3028

21.8104, 0.2163,
0.1438

99.6036, 0.3125,
0.3285

16.0716, 0.1983,
0.1147

100.0000, 0.3127,
0.3290

■ 12.0146, 0.1823,
0.0912

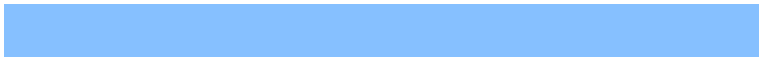
■ 9.4451, 0.1694,
0.0749

■ 8.0715, 0.1603,
0.0657

Harmonies

Analogous

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



50.6629, 0.2305, 0.2409



50.6629, 0.2708, 0.2429



50.6629, 0.3263, 0.2634

Triad

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



50.6629, 0.2708, 0.2429



50.6629, 0.4243, 0.3849



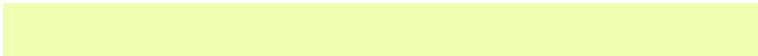
50.6629, 0.2441, 0.3586

Complementary

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



50.6629, 0.2708, 0.2429



92.9072, 0.3469, 0.4078

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.



50.6629, 0.2918, 0.4105



50.6629, 0.2708, 0.2429



50.6629, 0.3967, 0.4203

Square

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



50.6629, 0.2708, 0.2429



50.6629, 0.4199, 0.3411



50.6629, 0.3477, 0.4330



50.6629, 0.2161, 0.3017

Rectangle

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



50.6629, 0.2708, 0.2429



50.6629, 0.3650, 0.2854



50.6629, 0.3477, 0.4330



50.6629, 0.2583, 0.3779

Sweetspot

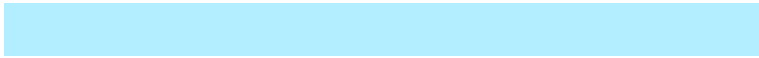
The Sweet Spot groups the original color and five complimentary colors.



50.6633, 0.2708, 0.2429



82.9872, 0.3020, 0.3060



78.0174, 0.2670, 0.3105



17.2145, 0.3001, 0.3021



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.



50.6633, 0.2708, 0.2429



43.6135, 0.2609, 0.2239



56.4130, 0.2993, 0.2496



17.5713, 0.3013, 0.3047



4.2708, 0.1615, 0.0663



0.4614, 0.1718, 0.0720

Inverse Universe

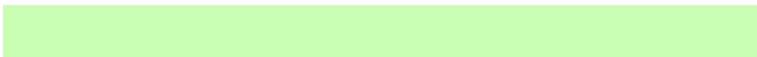
The Inverse Universe completely reimagines the original color for something new.



59.2704, 0.3294, 0.2690



53.5066, 0.3335, 0.2574



86.9878, 0.3219, 0.4144



18.2276, 0.3172, 0.3107



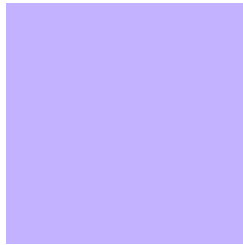
13.2778, 0.3863, 0.1902



1.3090, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 50.6629, 0.2708, 0.2429 looks on a white background.

Color Contrast Check

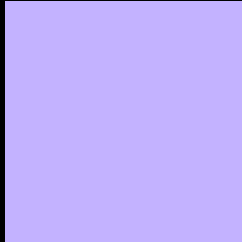
Large Text (above 18pt) WCAG AA × Fail

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 50.6629, 0.2708, 0.2429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

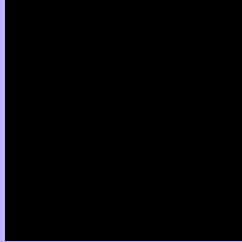
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6629, 0.2708, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 50.6629, 0.2708, 0.2429.



This preview shows how white text looks on a background with the Yxy color 50.6629, 0.2708, 0.2429.

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

50.6629, 0.2708, 0.2429

Protanopia

50.7728, 0.2542, 0.2484

Deuteranopia

50.8676, 0.2566, 0.2506



Tritanopia

50.5925, 0.2991, 0.3103

Trichromacy



Original Color

50.6629, 0.2708, 0.2429

Protanomaly

50.5519, 0.2596, 0.2461

Deuteranomaly

50.7260, 0.2616, 0.2473

Tritanomaly

50.3737, 0.2886, 0.2833

Monochromacy



Original Color

50.6629, 0.2708, 0.2429

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.7844, 0.2967, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6629, 0.2708, 0.2429 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(195, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 178, 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(195, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.6629, 0.2708, 0.2429 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(195, 178, 255) }
```

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

```
.border{ border-color:rgb(195, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6629, 0.2708, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 178, 255) }
```

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

```
.background{ background-color: rgb(195,  
178, 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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