

Converting Colors

Yxy(68.8626, 0.2711, 0.2427)

Have a look what the booklet for
Yxy(68.8626, 0.2711, 0.2427)
contains.

Yxy(66.2530, 0.2929, 0.2757)	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(66.2530, 0.2929, 0.2757)

Conversions

Conversions Part 1

Format	Color
Hex	E0CCFF
RGB	224, 204, 255
RGB Percent	88%, 80%, 100%
CMY	0.1215, 0.2000, 0.0001
CMYK	0.12, 0.20, 0.00, 0.00
HSL	264°, 100%, 90%
HSV	264°, 20%, 100%
XYZ	70.3863, 66.2530, 103.6690
YIQ	215.7940, -4.4510, 20.1010

Conversions

Conversions Part 2

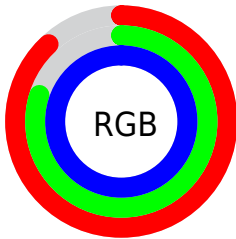
Format	Color
RYB	224, 204, 255
Decimal	14732543
CIELab	85.13, 16.48, -22.40
CIElCh	85, 27.809, 306.337
Yxy	66.2530, 0.2929, 0.2757
Android (android.graphics.Color)	4292922623 (0xFFE0CCFF)
YUV	215.7940, 19.3286, 7.1967
Hunter-Lab	81.3959, 11.9131, -18.5369

Details

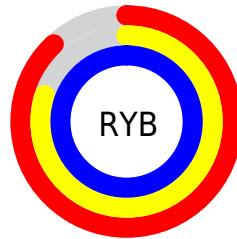
The Yxy color $66.2530, 0.2929, 0.2757$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.5218, 0.3297, 0.3812$, and the grayscale version is $68.3934, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.2147, 0.2876, 0.2641$ is the 20% darker color. If you saturate the color by 10%, you get $52.7485, 0.2807, 0.2458$, and if you desaturate by 10%, it is $81.9724, 0.3036, 0.3036$.

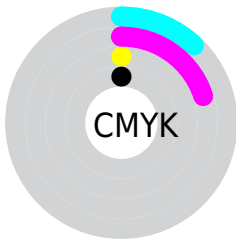
Distribution



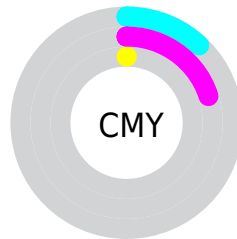
- Red (88%)
- Green (80%)
- Blue (100%)



- Red (88%)
- Yellow (80%)
- Blue (100%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2530, 0.2929, 0.2757 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 66.2530, 0.2929, 0.2757 by changing the saturation by 10% instead.

66.2530, 0.2929,
0.2757

66.2530, 0.2929,
0.2757

447.2812, 0.3024,
0.2999

48.4778, 0.2906,
0.2703

113.8494, 0.2963,
0.2840

34.2054, 0.2878,
0.2637

144.4394, 0.2976,
0.2872

23.0515, 0.2842,
0.2555

180.0697, 0.2987,
0.2900

14.6315, 0.2794,
0.2450

221.1249, 0.2996,
0.2925

8.5612, 0.2727,
0.2311

267.9892, 0.3005,
0.2947

4.4561, 0.2628,
0.2118

321.0471, 0.3012,

1.9318, 0.2470,

0.2966

0.1836

380.6829, 0.3019,
0.2983

■ 0.5674, 0.2207,
0.1325

■ 0.0000, 0.0000,
0.0000

■ 66.2530, 0.2929,
0.2757

■ 66.2530, 0.2929,
0.2757

■ 52.7485, 0.2807,
0.2458

■ 81.9724, 0.3036,
0.3036

■ 41.3481, 0.2670,
0.2146

99.9941, 0.3127,
0.3290

■ 31.9439, 0.2522,
0.1832

99.9988, 0.3127,
0.3290

■ 24.4147, 0.2366,
0.1531

■ 18.6259, 0.2209,
0.1261

■ 14.4236, 0.2060,
0.1038

■ 11.6256, 0.1927,
0.0876

■ 9.9383, 0.1814,
0.0773

■ 9.9375, 0.1814,
0.0773

Harmonies

Analogous

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



66.2530, 0.2649, 0.2729



66.2530, 0.2929, 0.2757



66.2530, 0.3278, 0.2908

Triad

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



66.2530, 0.2929, 0.2757



66.2530, 0.3793, 0.3699



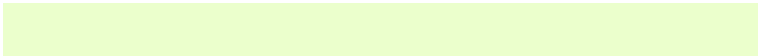
66.2530, 0.2667, 0.3415

Complementary

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



66.2530, 0.2929, 0.2757



93.5218, 0.3297, 0.3812

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.



66.2530, 0.2954, 0.3723



66.2530, 0.2929, 0.2757



66.2530, 0.3608, 0.3877

Square

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



66.2530, 0.2929, 0.2757



66.2530, 0.3792, 0.3433



66.2530, 0.3298, 0.3895



66.2530, 0.2505, 0.3087

Rectangle

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



66.2530, 0.2929, 0.2757



66.2530, 0.3502, 0.3062



66.2530, 0.3298, 0.3895



66.2530, 0.2751, 0.3526

Sweetspot

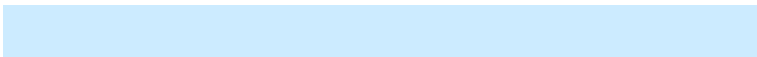
The Sweet Spot groups the original color and five complimentary colors.



66.2558, 0.2929, 0.2757



88.9042, 0.3074, 0.3140



79.7239, 0.2814, 0.3082



18.7816, 0.3068, 0.3123



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.



66.2558, 0.2929, 0.2757



60.5956, 0.2882, 0.2639



70.5501, 0.3107, 0.2785



17.7257, 0.3040, 0.3049



5.2737, 0.1831, 0.0782



0.5745, 0.1956, 0.0851

Inverse Universe

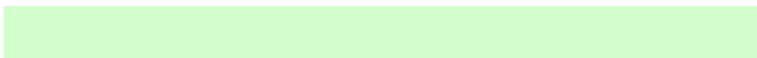
The Inverse Universe completely reimagines the original color for something new.



70.4373, 0.3293, 0.2981



65.5218, 0.3334, 0.2916



89.5614, 0.3138, 0.3838



18.1724, 0.3199, 0.3147



12.3726, 0.4515, 0.2261



1.2262, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 66.2530, 0.2929, 0.2757 looks on a white background.

Color Contrast Check

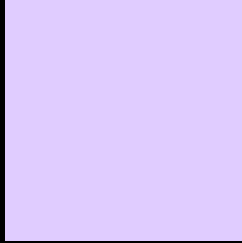
Large Text (above 18pt) WCAG AA × Fail

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 66.2530, 0.2929, 0.2757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

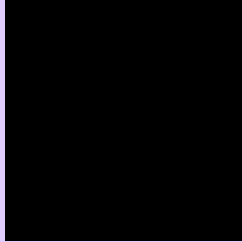
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2530, 0.2929, 0.2757

Background



This preview shows how black text looks on a background with the Yxy color 66.2530, 0.2929, 0.2757.

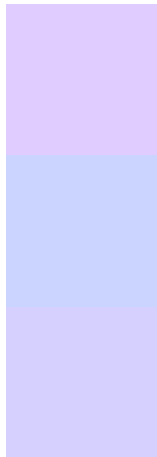


This preview shows how white text looks on a background with the Yxy color 66.2530, 0.2929, 0.2757.

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

66.2530, 0.2929, 0.2757

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

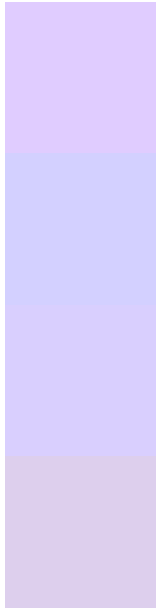
66.4136, 0.2861, 0.2799



Tritanopia

66.1520, 0.3084, 0.3104

Trichromacy



Original Color

66.2530, 0.2929, 0.2757

Protanomaly

66.1806, 0.2841, 0.2787

Deuteranomaly

66.5331, 0.2887, 0.2792

Tritanomaly

66.1122, 0.3025, 0.2967

Monochromacy



Original Color

66.2530, 0.2929, 0.2757

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.8602, 0.3057, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2530, 0.2929, 0.2757 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(224, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 204, 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(224, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.2530, 0.2929, 0.2757 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(224, 204, 255) }
```

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

```
.border{ border-color:rgb(224, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2530, 0.2929, 0.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 204, 255) }
```

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

```
.background{ background-color: rgb(224,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor