

# Converting Colors

$Yxy(62.8300, 0.2726, 0.2748)$

Have a look what the booklet for  
Yxy(62.8300, 0.2726, 0.2748)  
contains.

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# Color

**Yxy(62.8319, 0.2728, 0.2748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2CEFF
RGB	194, 206, 255
RGB Percent	76%, 81%, 100%
CMY	0.2391, 0.1922, 0.0000
CMYK	0.24, 0.19, 0.00, 0.00
HSL	228°, 100%, 88%
HSV	228°, 24%, 100%
XYZ	62.3746, 62.8319, 103.4394
YIQ	207.9980, -22.8810, 12.6950

# Conversions

## Conversions Part 2

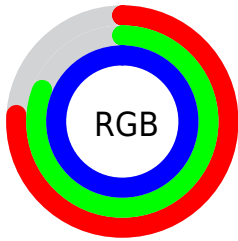
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 204, 255
Decimal	12766975
CIELab	83.35, 6.25, -25.31
CIELCh	83, 26.071, 283.879
Yxy	62.8319, 0.2728, 0.2748
Android (android.graphics.Color)	4290957055 (0xFFC2CEFF)
YUV	207.9980, 23.1720, -12.2762
Hunter-Lab	79.2666, 1.7446, -21.8843

# Details

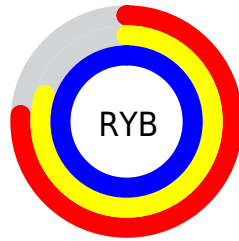
The Yxy color **62.8319, 0.2728, 0.2748** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.2754, 0.3515, 0.3779**, and the grayscale version is **62.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **32.0227, 0.2628, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **50.5109, 0.2539, 0.2477**, and if you desaturate by 10%, it is **77.0237, 0.2905, 0.2993**.

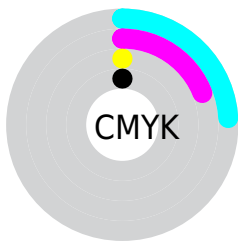
# Distribution



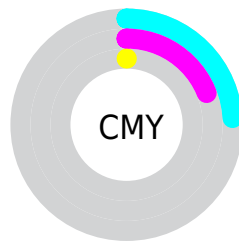
- Red (76%)
- Green (81%)
- Blue (100%)



- Red (76%)
- Yellow (80%)
- Blue (100%)



- Cyan (24%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8319, 0.2728, 0.2748 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 62.8319, 0.2728, 0.2748 by changing the saturation by 10% instead.



■ 62.8319, 0.2728,  
0.2748

■ 62.8319, 0.2728,  
0.2748

434.9592, 0.2916,  
0.2999

■ 45.7052, 0.2684,  
0.2691

■ 108.9270, 0.2794,  
0.2835

■ 32.0133, 0.2630,  
0.2621

138.6641, 0.2819,  
0.2869

■ 21.3716, 0.2562,  
0.2533

173.3736, 0.2841,  
0.2898

■ 13.3959, 0.2471,  
0.2418

213.4398, 0.2860,  
0.2923

■ 7.7017, 0.2348,  
0.2265

259.2470, 0.2877,  
0.2946

■ 3.9047, 0.2172,  
0.2050

311.1797, 0.2891,

■ 1.6204, 0.1902,

0.2965

0.1732

369.6223, 0.2905,  
0.2983

0.3713, 0.1394,  
0.1024

0.0000, 0.0000,  
0.0000

62.8319, 0.2728,  
0.2748

62.8319, 0.2728,  
0.2748

50.5109, 0.2539,  
0.2477

77.0237, 0.2905,  
0.2993

39.9741, 0.2343,  
0.2186

93.1528, 0.3068,  
0.3212

31.1394, 0.2147,  
0.1883

99.9994, 0.3127,  
0.3290

23.9149, 0.1962,  
0.1581

■ 18.1998, 0.1800,  
0.1298

■ 13.8811, 0.1670,  
0.1051

■ 10.8279, 0.1582,  
0.0856

■ 9.5031, 0.1546,  
0.0766

# Harmonies

## Analogous

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



62.8319, 0.2549, 0.2823



62.8319, 0.2728, 0.2748



62.8319, 0.3019, 0.2806

# Triad

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



62.8319, 0.2728, 0.2748



62.8319, 0.3780, 0.3496



62.8319, 0.2885, 0.3637

# Complementary

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



62.8319, 0.2728, 0.2748



89.2754, 0.3515, 0.3779

# 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.



62.8319, 0.3208, 0.3841



62.8319, 0.2728, 0.2748



62.8319, 0.3733, 0.3735

# Square

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



62.8319, 0.2728, 0.2748



62.8319, 0.3639, 0.3223



62.8319, 0.3520, 0.3871



62.8319, 0.2635, 0.3329



# Rectangle

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



62.8319, 0.2728, 0.2748



62.8319, 0.3243, 0.2909



62.8319, 0.3520, 0.3871



62.8319, 0.2988, 0.3721

# Sweetspot

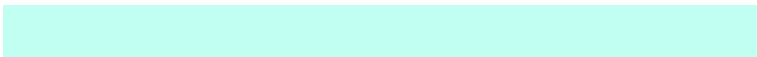
The Sweet Spot groups the original color and five complimentary colors.



62.8344, 0.2728, 0.2748



87.9552, 0.3019, 0.3147



89.4475, 0.2835, 0.3419



18.6136, 0.3010, 0.3134



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.



62.8344, 0.2728, 0.2748



56.3309, 0.2633, 0.2613



59.8647, 0.2843, 0.2635



17.9546, 0.2979, 0.3093



5.1285, 0.1552, 0.0787



0.6427, 0.1605, 0.0977



# Inverse Universe

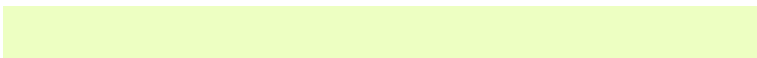
The Inverse Universe completely reimagines the original color for something new.



64.3145, 0.3531, 0.3168



58.2935, 0.3646, 0.3140



93.3648, 0.3367, 0.3914



18.0453, 0.3263, 0.3244



11.2457, 0.6090, 0.3128



1.1094, 0.5794, 0.2965



# Previews

## White Background



This preview shows how the Yxy color 62.8319, 0.2728, 0.2748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

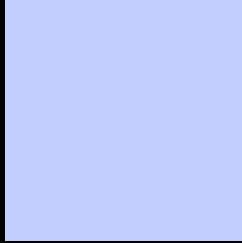
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8319, 0.2728, 0.2748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

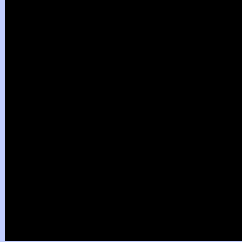
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.8319, 0.2728, 0.2748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8319, 0.2728, 0.2748.



This preview shows how white text looks on a background with the Yxy color 62.8319, 0.2728, 0.2748.

# 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

62.8319, 0.2728, 0.2748

### Protanopia

62.6184, 0.2740, 0.2739

### Deuteranopia

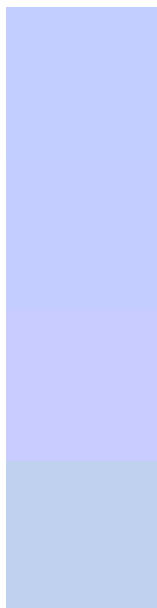
62.6284, 0.2784, 0.2723



## Tritanopia

63.0088, 0.2860, 0.3092

# Trichromacy



## Original Color

62.8319, 0.2728, 0.2748

## Protanomaly

62.4847, 0.2733, 0.2738

## Deuteranomaly

62.6851, 0.2765, 0.2731

## Tritanomaly

62.8503, 0.2811, 0.2958

# Monochromacy



## Original Color

62.8319, 0.2728, 0.2748

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

62.7584, 0.2975, 0.3085

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.8319, 0.2728, 0.2748 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(194, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 206, 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(194, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 206, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8319, 0.2728, 0.2748 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(194, 206, 255) }
```

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

```
.border{ border-color:rgb(194, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 206,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8319, 0.2728, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 206, 255) }
```

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

```
.background{ background-color: rgb(194,  
206, 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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