

Converting Colors

$Yxy(69.9992, 0.2475, 0.2330)$

Have a look what the booklet for
Yxy(69.9992, 0.2475, 0.2330)
contains.

Yxy(66.1773, 0.2752, 0.2819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.1773, 0.2752, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	C5D4FF
RGB	197, 212, 255
RGB Percent	77%, 83%, 100%
CMY	0.2277, 0.1685, 0.0000
CMYK	0.23, 0.17, 0.00, 0.00
HSL	224°, 100%, 89%
HSV	224°, 23%, 100%
XYZ	64.6044, 66.1773, 103.9728
YIQ	212.4170, -22.7430, 10.1930

Conversions

Conversions Part 2

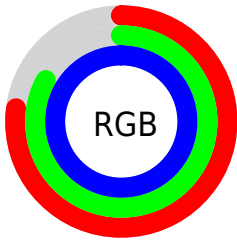
Format	Color
R _{YB}	197, 209, 255
Decimal	12965119
CIE Lab	85.09, 3.90, -22.66
CIE LCh	85, 22.993, 279.770
Yxy	66.1773, 0.2752, 0.2819
Android (android.graphics.Color)	4291155199 (0xFFC5D4FF)
YUV	212.4170, 20.9934, -13.5207
Hunter-Lab	81.3494, -0.6040, -18.8340

Details

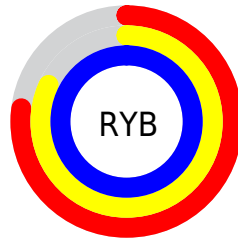
The Yxy color **66.1773, 0.2752, 0.2819** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5491, 0.3503, 0.3720**, and the grayscale version is **65.9935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **34.2817, 0.2662, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **54.1343, 0.2569, 0.2573**, and if you desaturate by 10%, it is **79.9104, 0.2925, 0.3041**.

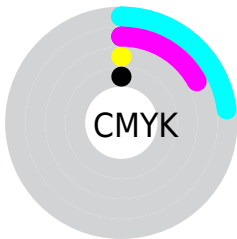
Distribution



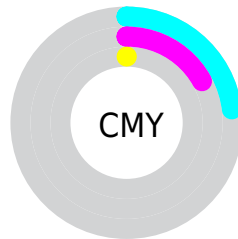
- Red (77%)
- Green (83%)
- Blue (100%)



- Red (77%)
- Yellow (82%)
- Blue (100%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1773, 0.2752, 0.2819 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 66.1773, 0.2752, 0.2819 by changing the saturation by 10% instead.

■ 66.1773, 0.2752,
0.2819

■ 66.1773, 0.2752,
0.2819

447.0107, 0.2927,
0.3036

■ 48.4163, 0.2712,
0.2770

113.7408, 0.2813,
0.2894

■ 34.1567, 0.2662,
0.2709

144.3121, 0.2837,
0.2924

■ 23.0140, 0.2599,
0.2633

179.9223, 0.2857,
0.2949

■ 14.6039, 0.2517,
0.2534

220.9558, 0.2875,
0.2971

■ 8.5418, 0.2405,
0.2401

267.7970, 0.2890,
0.2990

■ 4.4436, 0.2246,
0.2213

320.8303, 0.2904,

■ 1.9247, 0.2003,

0.3007

0.1934

380.4400, 0.2916,
0.3023

■ 0.5631, 0.1580,
0.1411

■ 0.0000, 0.0000,
0.0000

■ 66.1773, 0.2752,
0.2819

■ 66.1773, 0.2752,
0.2819

■ 54.1343, 0.2569,
0.2573

■ 79.9104, 0.2925,
0.3041

■ 43.7064, 0.2380,
0.2307

■ 95.3888, 0.3085,
0.3239

■ 34.8244, 0.2191,
0.2027

99.9998, 0.3127,
0.3290

■ 27.4108, 0.2012,
0.1743

■ 21.3809, 0.1852,
0.1468

■ 16.6401, 0.1721,
0.1217

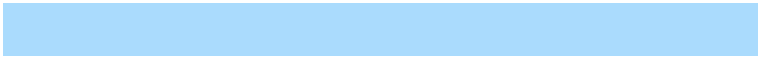
■ 13.0801, 0.1625,
0.1004

■ 11.1507, 0.1578,
0.0879

Harmonies

Analogous

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



66.1773, 0.2611, 0.2903



66.1773, 0.2752, 0.2819



66.1773, 0.2996, 0.2853

Triad

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



66.1773, 0.2752, 0.2819



66.1773, 0.3684, 0.3440



66.1773, 0.2954, 0.3620

Complementary

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



66.1773, 0.2752, 0.2819



87.5491, 0.3503, 0.3720

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.



66.1773, 0.3239, 0.3777



66.1773, 0.2752, 0.2819



66.1773, 0.3668, 0.3655

Square

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



66.1773, 0.2752, 0.2819



66.1773, 0.3542, 0.3201



66.1773, 0.3502, 0.3785



66.1773, 0.2723, 0.3363

Rectangle

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



66.1773, 0.2752, 0.2819



66.1773, 0.3189, 0.2935



66.1773, 0.3502, 0.3785



66.1773, 0.3047, 0.3687

Sweetspot

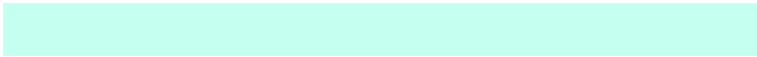
The Sweet Spot groups the original color and five complimentary colors.



66.1800, 0.2752, 0.2819



88.6300, 0.3019, 0.3159



89.6412, 0.2868, 0.3454



18.7694, 0.3009, 0.3147



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.



66.1800, 0.2752, 0.2819



60.8872, 0.2676, 0.2718



60.8917, 0.2831, 0.2664



18.1454, 0.2979, 0.3109



6.0300, 0.1585, 0.0905



0.7551, 0.1643, 0.1116

Inverse Universe

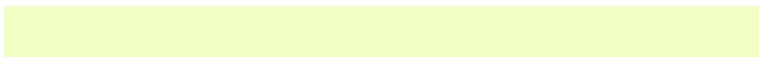
The Inverse Universe completely reimagines the original color for something new.



65.9142, 0.3477, 0.3136



60.8031, 0.3562, 0.3106



94.3258, 0.3382, 0.3878



18.0646, 0.3253, 0.3228



11.3367, 0.5904, 0.3026



1.1208, 0.5587, 0.2852

Previews

White Background



This preview shows how the Yxy color 66.1773, 0.2752, 0.2819 looks on a white background.

Color Contrast Check

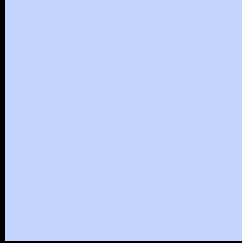
Large Text (above 18pt) WCAG AA × Fail

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 66.1773, 0.2752, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

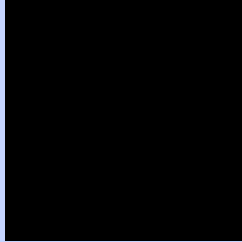
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1773, 0.2752, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 66.1773, 0.2752, 0.2819.



This preview shows how white text looks on a background with the Yxy color 66.1773, 0.2752, 0.2819.

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

66.1773, 0.2752, 0.2819

Protanopia

65.9455, 0.2795, 0.2812

Deuteranopia

66.1806, 0.2841, 0.2787



Tritanopia

66.3324, 0.2859, 0.3096

Trichromacy



Original Color

66.1773, 0.2752, 0.2819

Protanomaly

66.1618, 0.2783, 0.2821

Deuteranomaly

65.9427, 0.2808, 0.2793

Tritanomaly

66.4211, 0.2817, 0.2997

Monochromacy



Original Color

66.1773, 0.2752, 0.2819

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.9538, 0.2984, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1773, 0.2752, 0.2819 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(197, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 212, 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(197, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.1773, 0.2752, 0.2819 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(197, 212, 255) }
```

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

```
.border{ border-color:rgb(197, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1773, 0.2752, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 212, 255) }
```

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

```
.background{ background-color: rgb(197,  
212, 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