

Converting Colors

$Y_{xy}(61.5813, 0.2205, 0.2572)$

Have a look what the booklet for
Yxy(61.5813, 0.2205, 0.2572)
contains.

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Color

Yxy(59.8490, 0.2295, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	69D9FF
RGB	105, 217, 255
RGB Percent	41%, 85%, 100%
CMY	0.5883, 0.1490, 0.0000
CMYK	0.59, 0.15, 0.00, 0.00
HSL	195°, 100%, 71%
HSV	195°, 59%, 100%
XYZ	48.6896, 59.8490, 103.6166
YIQ	187.8440, -78.9500, -11.9260

Conversions

Conversions Part 2

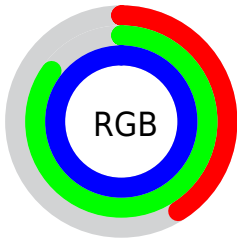
Format	Color
RYB	105, 169, 255
Decimal	6937087
CIELab	81.76, -21.29, -28.18
CIELCh	82, 35.317, 232.923
Yxy	59.8490, 0.2295, 0.2821
Android (android.graphics.Color)	4285127167 (0xFF69D9FF)
YUV	187.8440, 33.1079, -72.6542
Hunter-Lab	77.3621, -23.0407, -25.2578

Details

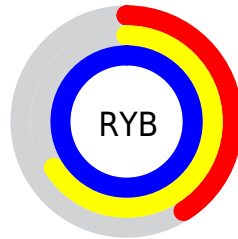
The Yxy color **59.8490, 0.2295, 0.2821** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.9173, 0.4696, 0.3672**, and the grayscale version is **50.0355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **30.1121, 0.2105, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **55.2655, 0.2195, 0.2727**, and if you desaturate by 10%, it is **65.0263, 0.2412, 0.2914**.

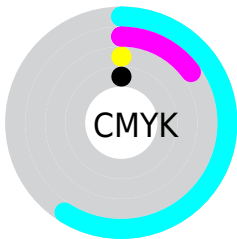
Distribution



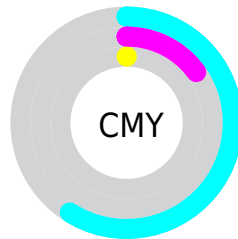
- Red (41%)
- Green (85%)
- Blue (100%)



- Red (41%)
- Yellow (66%)
- Blue (100%)



- Cyan (59%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8490, 0.2295, 0.2821 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 59.8490, 0.2295, 0.2821 by changing the saturation by 10% instead.


 59.8490, 0.2295,
0.2821


 59.8490, 0.2295,
0.2821


424.0410, 0.2678,
0.3052

 43.2969, 0.2209,
0.2765


 104.6106, 0.2427,
0.2904

 30.1182, 0.2104,
0.2695

 133.5889, 0.2479,
0.2935

 19.9283, 0.1973,
0.2605


 167.4781, 0.2523,
0.2962

 12.3429, 0.1805,
0.2484

206.6626, 0.2562,
0.2985

 6.9777, 0.1586,
0.2316

251.5267, 0.2596,
0.3005

 3.4481, 0.1293,
0.2072

302.4549, 0.2627,

 1.3699, 0.0889,

0.3023

0.1698

359.8315, 0.2654,
0.3039

0.1944, 0.0000,
0.0657

0.0000, 0.0000,
0.0000

59.8490, 0.2295,
0.2821

59.8490, 0.2295,
0.2821

55.2655, 0.2195,
0.2727

65.0263, 0.2412,
0.2914

51.2303, 0.2115,
0.2631

70.8352, 0.2544,
0.3002

47.6917, 0.2055,
0.2535

77.3112, 0.2686,
0.3085

44.5745, 0.2013,
0.2441

84.4864, 0.2836,
0.3162

■ 44.2266, 0.2008,
0.2430

■ 92.3907, 0.2990,
0.3233

100.0000, 0.3127,
0.3290

Harmonies

Analogous

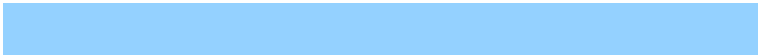
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.8490, 0.2390, 0.3200



59.8490, 0.2295, 0.2821



59.8490, 0.2399, 0.2604

Triad

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



59.8490, 0.2295, 0.2821



59.8490, 0.3570, 0.2956



59.8490, 0.3537, 0.4111

Complementary

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



59.8490, 0.2295, 0.2821



41.9173, 0.4696, 0.3672

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.



59.8490, 0.3888, 0.3966



59.8490, 0.2295, 0.2821



59.8490, 0.3919, 0.3299

Square

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



59.8490, 0.2295, 0.2821



59.8490, 0.3111, 0.2695



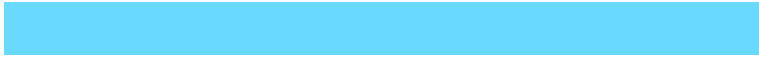
59.8490, 0.4035, 0.3662



59.8490, 0.3091, 0.4003

Rectangle

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



59.8490, 0.2295, 0.2821



59.8490, 0.2573, 0.2560



59.8490, 0.4035, 0.3662



59.8490, 0.3670, 0.4087

Sweetspot

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



59.8494, 0.2295, 0.2821



85.1155, 0.2849, 0.3168



76.4896, 0.2887, 0.4748



17.7517, 0.2805, 0.3147



0.0000, 0.0000, 0.0000



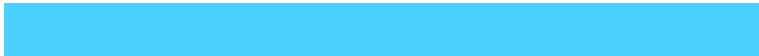
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8494, 0.2295, 0.2821



54.3455, 0.2176, 0.2706



29.7125, 0.2076, 0.1835



19.6565, 0.2980, 0.3228



23.3607, 0.2013, 0.2446



2.4489, 0.2043, 0.2553

Inverse Universe

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



36.3689, 0.3570, 0.2208



30.7615, 0.3695, 0.2059



72.1607, 0.4177, 0.4385



18.2171, 0.3177, 0.3114



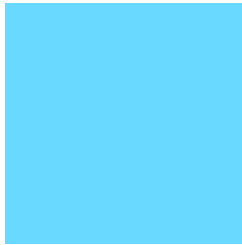
13.0862, 0.3977, 0.1964



1.2918, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 59.8490, 0.2295, 0.2821 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 59.8490, 0.2295, 0.2821 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 59.8490, 0.2295, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 59.8490, 0.2295, 0.2821.



This preview shows how white text looks on a background with the Yxy color 59.8490, 0.2295, 0.2821.

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

59.8490, 0.2295, 0.2821

Protanopia

59.1171, 0.2787, 0.2801

Deuteranopia

59.2733, 0.2708, 0.2666



Tritanopia

59.9561, 0.2350, 0.3058

Trichromacy



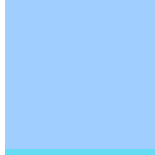
Original Color

59.8490, 0.2295, 0.2821



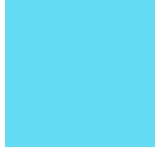
Protanomaly

58.4351, 0.2569, 0.2803



Deuteranomaly

58.8362, 0.2522, 0.2717



Tritanomaly

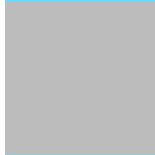
59.9614, 0.2332, 0.2973

Monochromacy



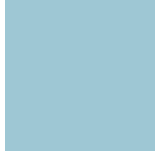
Original Color

59.8490, 0.2295, 0.2821



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.8694, 0.2741, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8490, 0.2295, 0.2821 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(105, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 217, 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(105, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.8490, 0.2295, 0.2821 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(105, 217, 255) }
```

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

```
.border{ border-color:rgb(105, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(105, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8490, 0.2295, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 217, 255) }
```

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

```
.background{ background-color: rgb(105,  
217, 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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