

Converting Colors

$Y_{xy}(61.1490, 0.2200, 0.2685)$

Have a look what the booklet for
Yxy(61.1490, 0.2200, 0.2685)
contains.

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Color

Yxy(60.0567, 0.2252, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	5ADBFF
RGB	90, 219, 255
RGB Percent	35%, 86%, 100%
CMY	0.6474, 0.1411, 0.0001
CMYK	0.65, 0.14, 0.00, 0.00
HSL	193°, 100%, 68%
HSV	193°, 65%, 100%
XYZ	47.5889, 60.0567, 103.6728
YIQ	184.5330, -88.4400, -16.1520

Conversions

Conversions Part 2

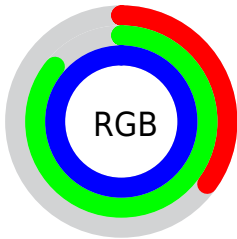
Format	Color
RYB	90, 162, 255
Decimal	5954559
CIELab	81.87, -24.82, -28.02
CIElCh	82, 37.428, 228.467
Yxy	60.0567, 0.2252, 0.2842
Android (android.graphics.Color)	4284144639 (0xFF5ADBFF)
YUV	184.5330, 34.7402, -82.9054
Hunter-Lab	77.4963, -26.0051, -25.0695

Details

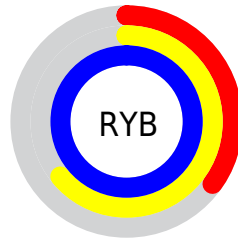
The Yxy color **60.0567, 0.2252, 0.2842** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.8862, 0.4976, 0.3633**, and the grayscale version is **48.0734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **56.1423, 0.2169, 0.2761**, and if you desaturate by 10%, it is **64.5104, 0.2354, 0.2922**.

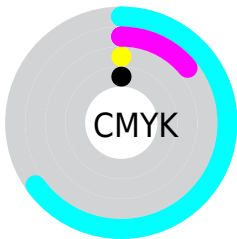
Distribution



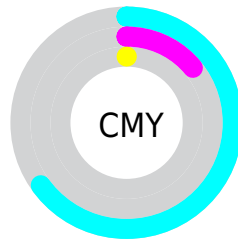
- Red (35%)
- Green (86%)
- Blue (100%)



- Red (35%)
- Yellow (64%)
- Blue (100%)



- Cyan (65%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (65%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0567, 0.2252, 0.2842 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 60.0567, 0.2252, 0.2842 by changing the saturation by 10% instead.


 60.0567, 0.2252,
0.2842

 60.0567, 0.2252,
0.2842


424.8067, 0.2654,
0.3065

 43.4643, 0.2162,
0.2788


 104.9119, 0.2390,
0.2922


 30.2496, 0.2053,
0.2719

 133.9436, 0.2444,
0.2953

 20.0281, 0.1916,
0.2630


 167.8904, 0.2491,
0.2979

 12.4155, 0.1743,
0.2511

 207.1369, 0.2532,
0.3001

 7.0273, 0.1518,
0.2345

252.0673, 0.2568,
0.3020

 3.4792, 0.1218,
0.2102

303.0662, 0.2600,

 1.3867, 0.0802,

0.3037

0.1729

360.5179, 0.2628,
0.3052

0.2069, 0.0000,
0.0695

0.0000, 0.0000,
0.0000

60.0567, 0.2252,
0.2842

60.0567, 0.2252,
0.2842

56.1423, 0.2169,
0.2761

64.5104, 0.2354,
0.2922

52.7127, 0.2105,
0.2680

69.5381, 0.2473,
0.2999

49.7113, 0.2061,
0.2599

75.1787, 0.2606,
0.3072

48.2591, 0.2044,
0.2557

81.4655, 0.2749,
0.3142

■ 88.4291, 0.2899,
0.3206

■ 96.0981, 0.3054,
0.3264

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

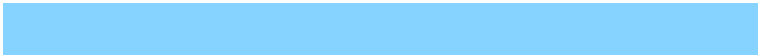
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.0567, 0.2382, 0.3263



60.0567, 0.2252, 0.2842



60.0567, 0.2331, 0.2587

Triad

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



60.0567, 0.2252, 0.2842



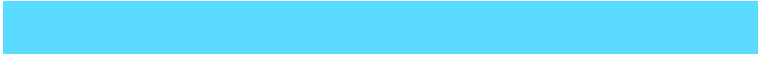
60.0567, 0.3527, 0.2890



60.0567, 0.3623, 0.4152

Complementary

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



60.0567, 0.2252, 0.2842



36.8862, 0.4976, 0.3633

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.



60.0567, 0.3970, 0.3962



60.0567, 0.2252, 0.2842



60.0567, 0.3924, 0.3240

Square

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



60.0567, 0.2252, 0.2842



60.0567, 0.3037, 0.2634



60.0567, 0.4088, 0.3623



60.0567, 0.3158, 0.4083

Rectangle

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



60.0567, 0.2252, 0.2842



60.0567, 0.2494, 0.2524



60.0567, 0.4088, 0.3623



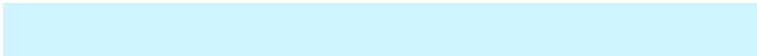
60.0567, 0.3758, 0.4112

Sweetspot

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



60.0589, 0.2252, 0.2842



85.3889, 0.2835, 0.3179



75.1747, 0.2900, 0.4988



17.8533, 0.2792, 0.3161



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.



60.0589, 0.2252, 0.2842



54.9810, 0.2146, 0.2734



27.1916, 0.1990, 0.1737



19.7702, 0.2980, 0.3237



25.4506, 0.2048, 0.2571



2.6365, 0.2073, 0.2662

Inverse Universe

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



33.6707, 0.3564, 0.2081



28.8344, 0.3680, 0.1947



67.2088, 0.4320, 0.4420



18.2286, 0.3172, 0.3106



13.2972, 0.3853, 0.1896



1.3107, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 60.0567, 0.2252, 0.2842 looks on a white background.

Color Contrast Check

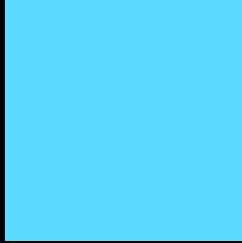
Large Text (above 18pt) WCAG AA × Fail

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 60.0567, 0.2252, 0.2842 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 60.0567, 0.2252, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 60.0567, 0.2252, 0.2842.

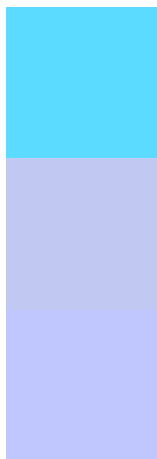


This preview shows how white text looks on a background with the Yxy color 60.0567, 0.2252, 0.2842.

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

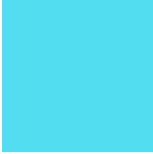
60.0567, 0.2252, 0.2842

Protanopia

59.0568, 0.2793, 0.2812

Deuteranopia

59.2733, 0.2708, 0.2666



Tritanopia

60.3277, 0.2297, 0.3057

Trichromacy



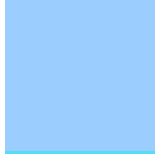
Original Color

60.0567, 0.2252, 0.2842



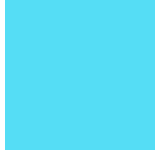
Protanomaly

58.4090, 0.2543, 0.2812



Deuteranomaly

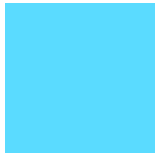
58.3312, 0.2495, 0.2713



Tritanomaly

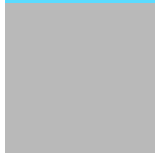
60.2368, 0.2282, 0.2983

Monochromacy



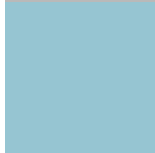
Original Color

60.0567, 0.2252, 0.2842



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.0697, 0.2698, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0567, 0.2252, 0.2842 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(90, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 219, 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(90, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.0567, 0.2252, 0.2842 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(90, 219, 255) }
```

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

```
.border{ border-color:rgb(90, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0567, 0.2252, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 219, 255) }
```

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

```
.background{ background-color: rgb(90, 219,  
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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