

Converting Colors

$Y_{xy}(72.3596, 0.1939, 0.1908)$

Have a look what the booklet for
Yxy(72.3596, 0.1939, 0.1908)
contains.

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Color

Yxy(62.8066, 0.2273, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	5CE0FF
RGB	92, 224, 255
RGB Percent	36%, 88%, 100%
CMY	0.6397, 0.1215, 0.0000
CMYK	0.64, 0.12, 0.00, 0.00
HSL	191°, 100%, 68%
HSV	191°, 64%, 100%
XYZ	49.1088, 62.8066, 104.1375
YIQ	188.0660, -88.6230, -18.3430

Conversions

Conversions Part 2

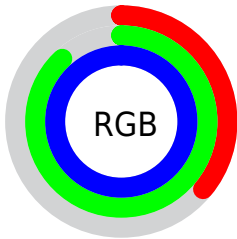
Format	Color
R _Y B	92, 165, 255
Decimal	6086911
CIE Lab	83.34, -26.98, -25.77
CIE LCh	83, 37.311, 223.694
Yxy	62.8066, 0.2273, 0.2907
Android (android.graphics.Color)	4284276991 (0xFF5CE0FF)
YUV	188.0660, 32.9985, -84.2499
Hunter-Lab	79.2506, -28.0784, -22.4333

Details

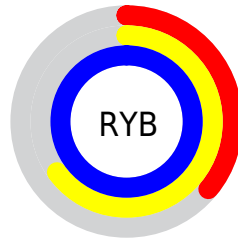
The Yxy color **62.8066, 0.2273, 0.2907** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.1604, 0.4982, 0.3587**, and the grayscale version is **50.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **59.1448, 0.2192, 0.2837**, and if you desaturate by 10%, it is **66.9887, 0.2373, 0.2976**.

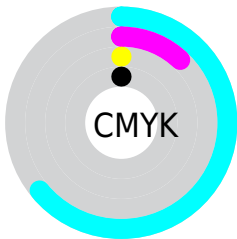
Distribution



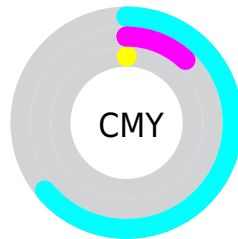
- Red (36%)
- Green (88%)
- Blue (100%)



- Red (36%)
- Yellow (65%)
- Blue (100%)



- Cyan (64%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (12%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8066, 0.2273, 0.2907 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 62.8066, 0.2273, 0.2907 by changing the saturation by 10% instead.


 62.8066, 0.2273,
0.2907

 62.8066, 0.2273,
0.2907


 434.8673, 0.2663,
0.3099


 45.6848, 0.2186,
0.2860


 108.8904, 0.2407,
0.2976

 31.9971, 0.2081,
0.2801


 138.6213, 0.2459,
0.3002


 21.3593, 0.1949,
0.2724


 173.3238, 0.2505,
0.3025

 13.3869, 0.1782,
0.2620

 213.3826, 0.2544,
0.3044

 7.6955, 0.1566,
0.2474

 259.1819, 0.2579,
0.3060

 3.9007, 0.1277,
0.2259

 311.1062, 0.2610,

 1.6182, 0.0885,

0.3075

0.1921

369.5399, 0.2638,
0.3088

0.3698, 0.0000,
0.1162

0.0000, 0.0000,
0.0000

62.8066, 0.2273,
0.2907

62.8066, 0.2273,
0.2907

59.1448, 0.2192,
0.2837

66.9887, 0.2373,
0.2976

55.9493, 0.2131,
0.2767

71.7246, 0.2489,
0.3042

53.1652, 0.2090,
0.2698

77.0529, 0.2620,
0.3106

51.6358, 0.2071,
0.2657

83.0064, 0.2762,
0.3165

■ 89.6150, 0.2911,
0.3221

■ 96.9070, 0.3065,
0.3271

■ 99.9997, 0.3127,
0.3290

Harmonies

Analogous

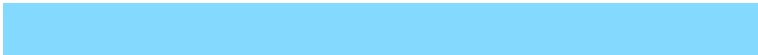
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8066, 0.2434, 0.3339



62.8066, 0.2273, 0.2907



62.8066, 0.2318, 0.2627

Triad

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



62.8066, 0.2273, 0.2907



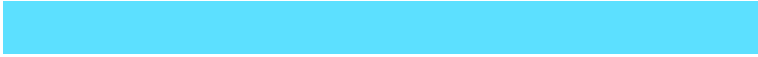
62.8066, 0.3445, 0.2849



62.8066, 0.3680, 0.4121

Complementary

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



62.8066, 0.2273, 0.2907



36.1604, 0.4982, 0.3587

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.



62.8066, 0.3991, 0.3905



62.8066, 0.2273, 0.2907



62.8066, 0.3860, 0.3183

Square

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



62.8066, 0.2273, 0.2907



62.8066, 0.2964, 0.2617



62.8066, 0.4064, 0.3560



62.8066, 0.3233, 0.4098

Rectangle

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



62.8066, 0.2273, 0.2907



62.8066, 0.2459, 0.2544



62.8066, 0.4064, 0.3560



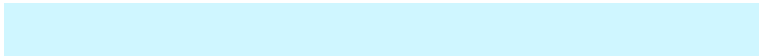
62.8066, 0.3804, 0.4071

Sweetspot

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



62.8089, 0.2273, 0.2907



86.2096, 0.2835, 0.3193



75.1861, 0.2922, 0.5033



18.0538, 0.2793, 0.3177



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.



62.8089, 0.2273, 0.2907



58.1313, 0.2172, 0.2816



29.2938, 0.2020, 0.1829



19.8604, 0.2980, 0.3244



27.1913, 0.2075, 0.2668



2.7915, 0.2097, 0.2747

Inverse Universe

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



34.2751, 0.3507, 0.2054



29.3988, 0.3605, 0.1913



64.9033, 0.4344, 0.4364



18.2377, 0.3167, 0.3100



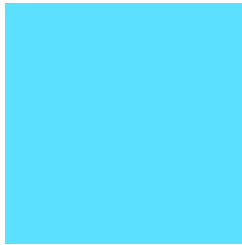
13.4729, 0.3758, 0.1844



1.3264, 0.3684, 0.1803

Previews

White Background



This preview shows how the Yxy color 62.8066, 0.2273, 0.2907 looks on a white background.

Color Contrast Check

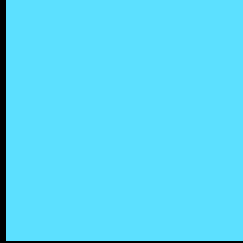
Large Text (above 18pt) WCAG AA × Fail

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 62.8066, 0.2273, 0.2907 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 62.8066, 0.2273, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 62.8066, 0.2273, 0.2907.

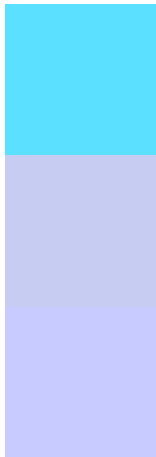


This preview shows how white text looks on a background with the Yxy color 62.8066, 0.2273, 0.2907.

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

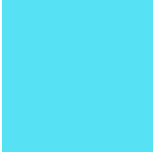
62.8066, 0.2273, 0.2907

Protanopia

61.7387, 0.2837, 0.2863

Deuteranopia

62.0740, 0.2758, 0.2719



Tritanopia

62.9028, 0.2305, 0.3061

Trichromacy



Original Color

62.8066, 0.2273, 0.2907



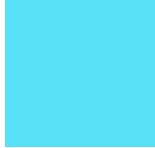
Protanomaly

60.7775, 0.2572, 0.2864



Deuteranomaly

61.2821, 0.2531, 0.2778



Tritanomaly

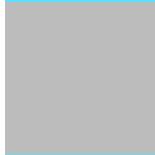
62.7024, 0.2292, 0.3000

Monochromacy



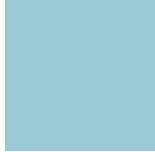
Original Color

62.8066, 0.2273, 0.2907



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.2991, 0.2711, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8066, 0.2273, 0.2907 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(92, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 224, 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(92, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.8066, 0.2273, 0.2907 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(92, 224, 255) }
```

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

```
.border{ border-color:rgb(92, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8066, 0.2273, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 224, 255) }
```

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

```
.background{ background-color: rgb(92, 224,  
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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