

Converting Colors

$Y_{xy}(62.1798, 0.2320, 0.2939)$

Have a look what the booklet for
Yxy(62.1798, 0.2320, 0.2939)
contains.

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Color

Yxy(62.0912, 0.2319, 0.2930)

Conversions

Conversions Part 1

Format	Color
Hex	67DEFB
RGB	103, 222, 251
RGB Percent	40%, 87%, 98%
CMY	0.5955, 0.1295, 0.0156
CMYK	0.59, 0.12, 0.00, 0.02
HSL	192°, 95%, 69%
HSV	192°, 59%, 98%
XYZ	49.1432, 62.0912, 100.6810
YIQ	189.7250, -80.2330, -16.2090

Conversions

Conversions Part 2

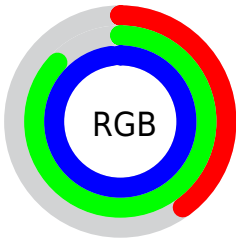
Format	Color
RYB	103, 169, 251
Decimal	6807291
CIELab	82.96, -25.25, -24.22
CIELCh	83, 34.991, 223.808
Yxy	62.0912, 0.2319, 0.2930
Android (android.graphics.Color)	4284997371 (0xFF67DEFB)
YUV	189.7250, 30.2086, -76.0578
Hunter-Lab	78.7980, -26.5731, -20.5969

Details

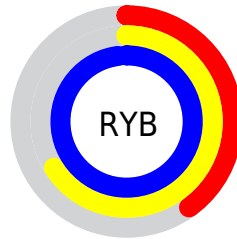
The Yxy color **62.0912, 0.2319, 0.2930** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **38.0528, 0.4761, 0.3585**, and the grayscale version is **51.2079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **31.6611, 0.2138, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **58.2421, 0.2228, 0.2858**, and if you desaturate by 10%, it is **66.4672, 0.2428, 0.3000**.

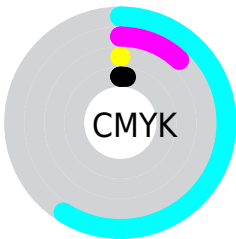
Distribution



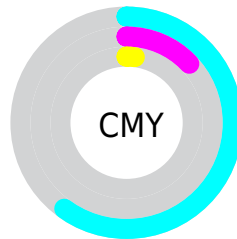
- Red (40%)
- Green (87%)
- Blue (98%)



- Red (40%)
- Yellow (66%)
- Blue (98%)



- Cyan (59%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (60%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0912, 0.2319, 0.2930 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 62.0912, 0.2319, 0.2930 by changing the saturation by 10% instead.

 62.0912, 0.2319,
0.2930

 62.0912, 0.2319,
0.2930


432.2637, 0.2690,
0.3110

 45.1064, 0.2236,
0.2886


 107.8573, 0.2447,
0.2995

 31.5412, 0.2134,
0.2830


 137.4074, 0.2496,
0.3020

 21.0113, 0.2008,
0.2757


 171.9148, 0.2540,
0.3041

 13.1323, 0.1846,
0.2658

211.7637, 0.2577,
0.3059

 7.5197, 0.1634,
0.2519

257.3387, 0.2611,
0.3074

 3.7892, 0.1348,
0.2312

309.0241, 0.2640,

 1.5563, 0.0952,

0.3088

0.1982

367.2043, 0.2666,
0.3100

0.3279, 0.0000,
0.1156

0.0000, 0.0000,
0.0000

62.0912, 0.2319,
0.2930

62.0912, 0.2319,
0.2930

58.2421, 0.2228,
0.2858

66.4672, 0.2428,
0.3000

54.8710, 0.2156,
0.2786

71.3998, 0.2553,
0.3067

51.9309, 0.2103,
0.2714

76.9245, 0.2691,
0.3131

49.3491, 0.2069,
0.2642

83.0714, 0.2837,
0.3191

■ 49.0782, 0.2065,
0.2635

■ 89.8686, 0.2989,
0.3245

■ 97.3423, 0.3144,
0.3295

■ 99.7466, 0.3150,
0.3328

Harmonies

Analogous

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



62.0912, 0.2472, 0.3336



62.0912, 0.2319, 0.2930



62.0912, 0.2362, 0.2664

Triad

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



62.0912, 0.2319, 0.2930



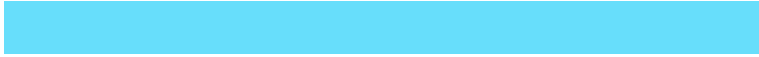
62.0912, 0.3429, 0.2874



62.0912, 0.3649, 0.4073

Complementary

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



62.0912, 0.2319, 0.2930



38.0528, 0.4761, 0.3585

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.



62.0912, 0.3941, 0.3874



62.0912, 0.2319, 0.2930



62.0912, 0.3818, 0.3192

Square

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



62.0912, 0.2319, 0.2930



62.0912, 0.2976, 0.2653



62.0912, 0.4009, 0.3550



62.0912, 0.3228, 0.4047

Rectangle

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



62.0912, 0.2319, 0.2930



62.0912, 0.2497, 0.2584



62.0912, 0.4009, 0.3550



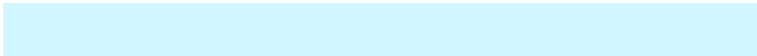
62.0912, 0.3766, 0.4028

Sweetspot

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



62.0935, 0.2319, 0.2930



86.6925, 0.2850, 0.3196



73.5218, 0.2929, 0.4877



18.1403, 0.2807, 0.3179



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.



62.0935, 0.2319, 0.2930



59.5677, 0.2210, 0.2843



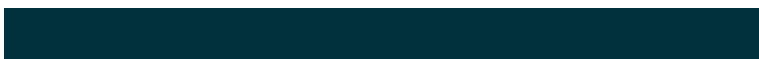
31.6666, 0.2105, 0.1964



18.9952, 0.2980, 0.3242



26.0007, 0.2069, 0.2647



2.5508, 0.2092, 0.2732

Inverse Universe

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



35.5188, 0.3479, 0.2136



31.2887, 0.3573, 0.1978



64.7774, 0.4240, 0.4299



17.4627, 0.3168, 0.3101



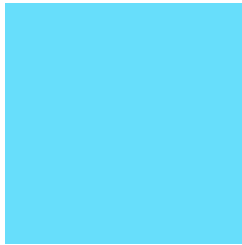
13.0357, 0.3779, 0.1856



1.2217, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 62.0912, 0.2319, 0.2930 looks on a white background.

Color Contrast Check

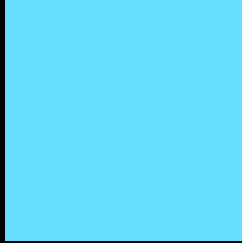
Large Text (above 18pt) WCAG AA × Fail

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 62.0912, 0.2319, 0.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

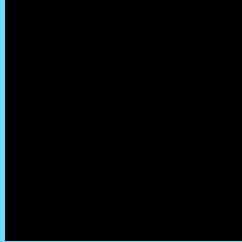
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.0912, 0.2319, 0.2930

Background



This preview shows how black text looks on a background with the Yxy color 62.0912, 0.2319, 0.2930.



This preview shows how white text looks on a background with the Yxy color 62.0912, 0.2319, 0.2930.

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

62.0912, 0.2319, 0.2930

Protanopia

61.5598, 0.2856, 0.2895

Deuteranopia

61.1354, 0.2756, 0.2696



Tritanopia

62.3748, 0.2348, 0.3062

Trichromacy



Original Color

62.0912, 0.2319, 0.2930



Protanomaly

60.9521, 0.2616, 0.2911



Deuteranomaly

60.6492, 0.2555, 0.2767



Tritanomaly

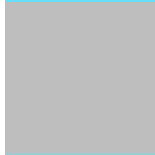
62.1346, 0.2339, 0.3013

Monochromacy



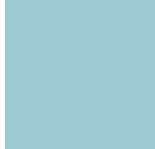
Original Color

62.0912, 0.2319, 0.2930



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.2636, 0.2744, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.0912, 0.2319, 0.2930 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(103, 222, 251)` looks like.

```
.text, #text, p{  
    color:rgb(103, 222, 251)  
}
```

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(103, 222, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 222, 251) }
```

Border

The CSS property to change the border of an element to Yxy 62.0912, 0.2319, 0.2930 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(103, 222, 251) }
```

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

```
.border{ border-color:rgb(103, 222, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 222, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 222, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 222, 251);  
box-shadow:4px 4px 4px 4px rgb(103, 222,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 62.0912, 0.2319, 0.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 222, 251) }
```

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

```
.background{ background-color: rgb(103,  
222, 251) }
```

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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