

Converting Colors

$Y_{xy}(57.2438, 0.2249, 0.2841)$

Have a look what the booklet for
Yxy(57.2438, 0.2249, 0.2841)
contains.

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Color

Yxy(57.0215, 0.2247, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	57D6FA
RGB	87, 214, 250
RGB Percent	34%, 84%, 98%
CMY	0.6584, 0.1608, 0.0195
CMYK	0.65, 0.14, 0.00, 0.02
HSL	193°, 94%, 66%
HSV	193°, 65%, 98%
XYZ	45.2427, 57.0215, 99.0829
YIQ	180.1310, -87.2480, -15.7280

Conversions

Conversions Part 2

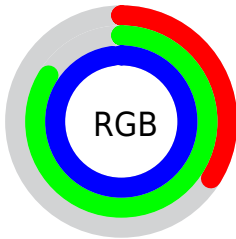
Format	Color
R _Y B	87, 158, 250
Decimal	5756666
CIE Lab	80.19, -24.22, -27.96
CIE LCh	80, 36.995, 229.099
Yxy	57.0215, 0.2247, 0.2832
Android (android.graphics.Color)	4283946746 (0xFF57D6FA)
YUV	180.1310, 34.4454, -81.6759
Hunter-Lab	75.5126, -25.2003, -24.9378

Details

The Yxy color **57.0215, 0.2247, 0.2832** 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 **35.2219, 0.4987, 0.3639**, and the grayscale version is **45.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **28.6465, 0.2088, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **53.2677, 0.2164, 0.2750**, and if you desaturate by 10%, it is **61.2912, 0.2349, 0.2913**.

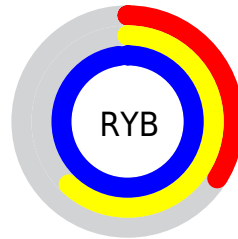
Distribution



Red (34%)

Green (84%)

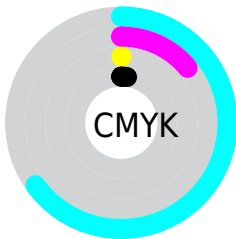
Blue (98%)



Red (34%)

Yellow (62%)

Blue (98%)

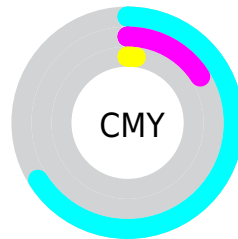


Cyan (65%)

Magenta (14%)

Yellow (0%)

Black (2%)



Cyan (66%)


Magenta (16%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0215, 0.2247, 0.2832 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 57.0215, 0.2247, 0.2832 by changing the saturation by 10% instead.

 57.0215, 0.2247,
0.2832

 57.0215, 0.2247,
0.2832

413.5299, 0.2655,
0.3062


 41.0225, 0.2155,
0.2776

 100.4966, 0.2388,
0.2915


 28.3367, 0.2042,
0.2704


 128.7414, 0.2443,
0.2946

 18.5796, 0.1902,
0.2611


 161.8370, 0.2490,
0.2973

 11.3669, 0.1722,
0.2486

 200.1677, 0.2532,
0.2996

 6.3142, 0.1488,
0.2310

244.1180, 0.2568,
0.3016

 3.0371, 0.1174,
0.2049

294.0722, 0.2600,

 1.1511, 0.0692,

0.3033

0.1656

350.4147, 0.2629,
0.3048

0.0212, 0.0000,
0.0089

0.0000, 0.0000,
0.0000

57.0215, 0.2247,
0.2832

57.0215, 0.2247,
0.2832

53.2677, 0.2164,
0.2750

61.2912, 0.2349,
0.2913

49.9775, 0.2101,
0.2667

66.1102, 0.2468,
0.2992

47.0965, 0.2057,
0.2586

71.5157, 0.2600,
0.3066

45.8086, 0.2041,
0.2546

77.5396, 0.2743,
0.3137

84.2112, 0.2893,
0.3202

91.5578, 0.3047,
0.3261

98.2266, 0.3157,
0.3316

99.6836, 0.3156,
0.3337

Harmonies

Analogous

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



57.0215, 0.2373, 0.3252



57.0215, 0.2247, 0.2832



57.0215, 0.2330, 0.2580

Triad

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



57.0215, 0.2247, 0.2832



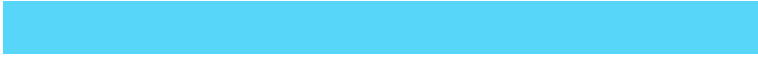
57.0215, 0.3539, 0.2894



57.0215, 0.3616, 0.4158

Complementary

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



57.0215, 0.2247, 0.2832



35.2219, 0.4987, 0.3639

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.



57.0215, 0.3969, 0.3971



57.0215, 0.2247, 0.2832



57.0215, 0.3935, 0.3248

Square

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



57.0215, 0.2247, 0.2832



57.0215, 0.3046, 0.2635



57.0215, 0.4094, 0.3633



57.0215, 0.3148, 0.4083

Rectangle

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



57.0215, 0.2247, 0.2832



57.0215, 0.2497, 0.2519



57.0215, 0.4094, 0.3633



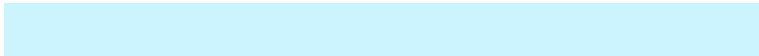
57.0215, 0.3753, 0.4120

Sweetspot

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



57.0236, 0.2247, 0.2832



84.5898, 0.2819, 0.3171



71.8335, 0.2900, 0.4998



17.6908, 0.2777, 0.3152



0.0000, 0.0000, 0.0000



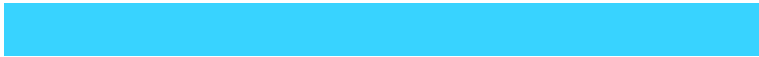
21.4041, 0.3127, 0.3290

Same Dimension

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



57.0236, 0.2247, 0.2832



54.6544, 0.2143, 0.2726



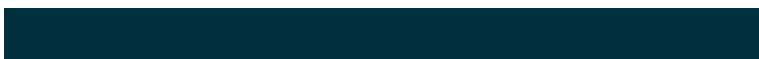
25.7857, 0.1984, 0.1727



18.9189, 0.2980, 0.3236



24.5163, 0.2045, 0.2560



2.4255, 0.2072, 0.2657

Inverse Universe

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



32.0183, 0.3573, 0.2080



28.8014, 0.3688, 0.1952



64.1411, 0.4326, 0.4424



17.4550, 0.3172, 0.3107



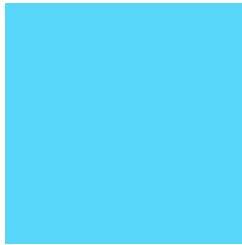
12.8858, 0.3863, 0.1902



1.2091, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 57.0215, 0.2247, 0.2832 looks on a white background.

Color Contrast Check

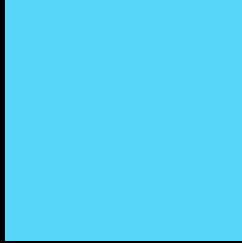
Large Text (above 18pt) WCAG AA × Fail

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 57.0215, 0.2247, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

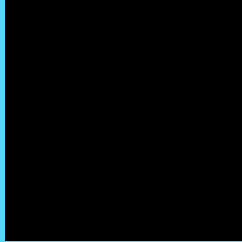
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.0215, 0.2247, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 57.0215, 0.2247, 0.2832.



This preview shows how white text looks on a background with the Yxy color 57.0215, 0.2247, 0.2832.

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

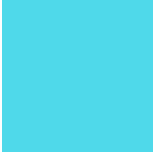
57.0215, 0.2247, 0.2832

Protanopia

56.4131, 0.2794, 0.2814

Deuteranopia

56.1784, 0.2669, 0.2611



Tritanopia

57.2285, 0.2297, 0.3065

Trichromacy



Original Color

57.0215, 0.2247, 0.2832



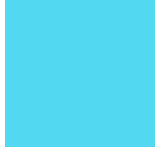
Protanomaly

55.7981, 0.2539, 0.2815



Deuteranomaly

55.3492, 0.2468, 0.2668



Tritanomaly

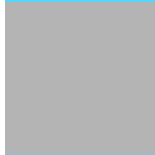
57.1968, 0.2278, 0.2977

Monochromacy



Original Color

57.0215, 0.2247, 0.2832



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.2180, 0.2695, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0215, 0.2247, 0.2832 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(87, 214, 250)` looks like.

```
.text, #text, p{  
    color:rgb(87, 214, 250)  
}
```

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(87, 214, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 214, 250) }
```

Border

The CSS property to change the border of an element to Yxy 57.0215, 0.2247, 0.2832 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(87, 214, 250) }
```

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

```
.border{ border-color:rgb(87, 214, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 214, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 214, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 214, 250);  
box-shadow:4px 4px 4px 4px rgb(87, 214,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0215, 0.2247, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 214, 250) }
```

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

```
.background{ background-color: rgb(87, 214,  
250) }
```

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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