

Converting Colors

$Yxy(57.5034, 0.2203, 0.2788)$

Have a look what the booklet for
Yxy(57.5034, 0.2203, 0.2788)
contains.

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Color

Yxy(57.3987, 0.2203, 0.2785)

Conversions

Conversions Part 1

Format	Color
Hex	4DD7FF
RGB	77, 215, 255
RGB Percent	30%, 84%, 100%
CMY	0.6985, 0.1568, 0.0000
CMYK	0.70, 0.16, 0.00, 0.00
HSL	193°, 100%, 65%
HSV	193°, 70%, 100%
XYZ	45.4037, 57.3987, 103.2971
YIQ	178.2980, -95.0880, -16.8160

Conversions

Conversions Part 2

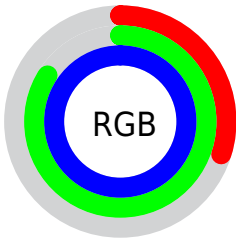
Format	Color
RYB	77, 155, 255
Decimal	5101567
CIELab	80.40, -24.67, -30.31
CIELCh	80, 39.080, 230.852
Yxy	57.3987, 0.2203, 0.2785
Android (android.graphics.Color)	4283291647 (0xFF4DD7FF)
YUV	178.2980, 37.8141, -88.8383
Hunter-Lab	75.7619, -25.6093, -27.8052

Details

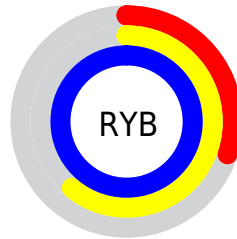
The Yxy color **57.3987, 0.2203, 0.2785** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.4859, 0.5178, 0.3650**, and the grayscale version is **44.5046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **29.2188, 0.2072, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **53.6764, 0.2129, 0.2701**, and if you desaturate by 10%, it is **61.6417, 0.2297, 0.2868**.

Distribution



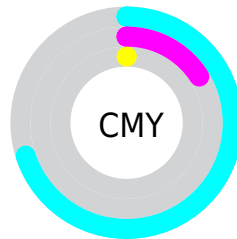
- Red (30%)
- Green (84%)
- Blue (100%)



- Red (30%)
- Yellow (61%)
- Blue (100%)



- Cyan (70%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.3987, 0.2203, 0.2785 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 57.3987, 0.2203, 0.2785 by changing the saturation by 10% instead.


 57.3987, 0.2203,
0.2785


 57.3987, 0.2203,
0.2785


414.9416, 0.2629,
0.3037


 41.3254, 0.2108,
0.2724


 101.0467, 0.2350,
0.2876


 28.5735, 0.1991,
0.2646

 129.3902, 0.2407,
0.2910

 18.7584, 0.1846,
0.2546


 162.5926, 0.2457,
0.2939

 11.4958, 0.1663,
0.2412

 201.0383, 0.2500,
0.2964

 6.4014, 0.1425,
0.2225

245.1117, 0.2538,
0.2986

 3.0906, 0.1111,
0.1953

295.1971, 0.2572,

 1.1792, 0.0647,

0.3005

0.1550

351.6789, 0.2602,
0.3022

■ 0.0447, 0.0000,
0.0161

■ 0.0000, 0.0000,
0.0000

■ 57.3987, 0.2203,
0.2785

■ 57.3987, 0.2203,
0.2785

■ 53.6764, 0.2129,
0.2701

■ 61.6417, 0.2297,
0.2868

■ 50.4168, 0.2075,
0.2618

■ 66.4445, 0.2408,
0.2949

■ 47.5372, 0.2038,
0.2535

■ 71.8480, 0.2535,
0.3027

■ 47.4957, 0.2037,
0.2534

■ 77.8872, 0.2674,
0.3101

■ 84.5940, 0.2822,
0.3170

■ 91.9980, 0.2974,
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.



57.3987, 0.2321, 0.3219



57.3987, 0.2203, 0.2785



57.3987, 0.2303, 0.2535

Triad

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



57.3987, 0.2203, 0.2785



57.3987, 0.3589, 0.2893



57.3987, 0.3613, 0.4210

Complementary

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



57.3987, 0.2203, 0.2785



34.4859, 0.5178, 0.3650

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.



57.3987, 0.3996, 0.4021



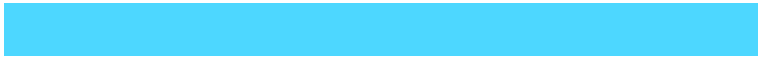
57.3987, 0.2203, 0.2785



57.3987, 0.3997, 0.3266

Square

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



57.3987, 0.2203, 0.2785



57.3987, 0.3071, 0.2616



57.3987, 0.4146, 0.3669



57.3987, 0.3117, 0.4116

Rectangle

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



57.3987, 0.2203, 0.2785



57.3987, 0.2484, 0.2480



57.3987, 0.4146, 0.3669



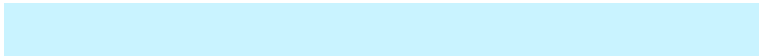
57.3987, 0.3760, 0.4173

Sweetspot

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



57.4004, 0.2203, 0.2785



83.7882, 0.2804, 0.3162



74.3416, 0.2896, 0.5135



17.5278, 0.2763, 0.3144



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.



57.4004, 0.2203, 0.2785



52.2709, 0.2104, 0.2666



24.0616, 0.1909, 0.1598



19.7490, 0.2980, 0.3235



25.0515, 0.2041, 0.2548



2.6008, 0.2067, 0.2642

Inverse Universe

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



31.4581, 0.3622, 0.2029



27.3328, 0.3751, 0.1924



65.2337, 0.4412, 0.4476



18.2265, 0.3173, 0.3108



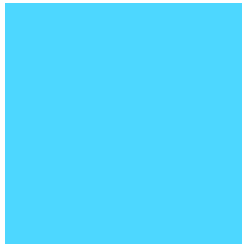
13.2569, 0.3875, 0.1908



1.3071, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 57.3987, 0.2203, 0.2785 looks on a white background.

Color Contrast Check

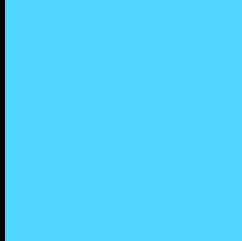
Large Text (above 18pt) WCAG AA × Fail

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 57.3987, 0.2203, 0.2785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

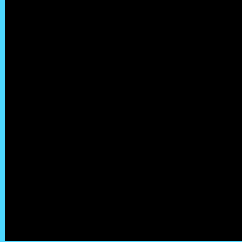
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.3987, 0.2203, 0.2785

Background



This preview shows how black text looks on a background with the Yxy color 57.3987, 0.2203, 0.2785.

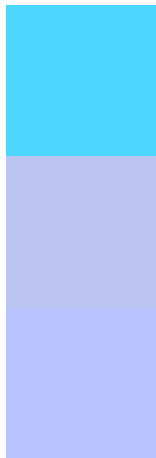


This preview shows how white text looks on a background with the Yxy color 57.3987, 0.2203, 0.2785.

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

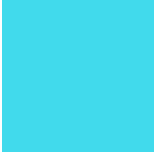
57.3987, 0.2203, 0.2785

Protanopia

56.5820, 0.2756, 0.2760

Deuteranopia

56.5645, 0.2658, 0.2611



Tritanopia

57.3228, 0.2256, 0.3051

Trichromacy



Original Color

57.3987, 0.2203, 0.2785



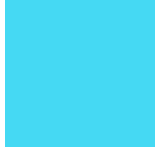
Protanomaly

55.7232, 0.2491, 0.2756



Deuteranomaly

55.5721, 0.2439, 0.2656



Tritanomaly

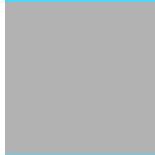
57.3620, 0.2235, 0.2951

Monochromacy



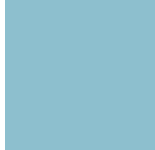
Original Color

57.3987, 0.2203, 0.2785



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.3806, 0.2655, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3987, 0.2203, 0.2785 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(77, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 215, 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(77, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.3987, 0.2203, 0.2785 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(77, 215, 255) }
```

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

```
.border{ border-color:rgb(77, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.3987, 0.2203, 0.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 215, 255) }
```

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

```
.background{ background-color: rgb(77, 215,  
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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