

Converting Colors

$Y_{xy}(53.1829, 0.2274, 0.2805)$

Have a look what the booklet for
Yxy(53.1829, 0.2274, 0.2805)
contains.

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Color

Yxy(53.1072, 0.2272, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	5FCE4
RGB	95, 206, 244
RGB Percent	37%, 81%, 96%
CMY	0.6273, 0.1922, 0.0431
CMYK	0.61, 0.16, 0.00, 0.04
HSL	195°, 87%, 66%
HSV	195°, 61%, 96%
XYZ	43.1235, 53.1072, 93.5734
YIQ	177.1430, -78.3540, -11.7140

Conversions

Conversions Part 2

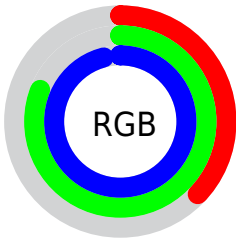
Format	Color
R _Y B	95, 159, 244
Decimal	6278900
CIE Lab	77.94, -20.70, -28.19
CIE LCh	78, 34.972, 233.704
Yxy	53.1072, 0.2272, 0.2798
Android (android.graphics.Color)	4284468980 (0xFF5FCEF4)
YUV	177.1430, 32.9605, -72.0394
Hunter-Lab	72.8747, -21.9036, -25.1180

Details

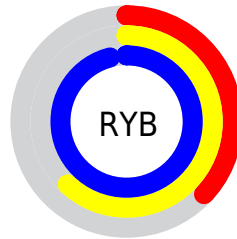
The Yxy color **53.1072, 0.2272, 0.2798** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.8518, 0.4775, 0.3683**, and the grayscale version is **43.9063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **26.0873, 0.2073, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **49.0612, 0.2176, 0.2702**, and if you desaturate by 10%, it is **57.6850, 0.2386, 0.2891**.

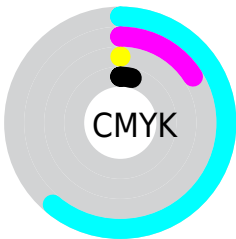
Distribution



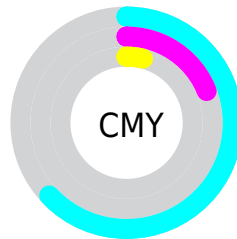
- Red (37%)
- Green (81%)
- Blue (96%)



- Red (37%)
- Yellow (62%)
- Blue (96%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)





- Cyan (63%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1072, 0.2272, 0.2798 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 53.1072, 0.2272, 0.2798 by changing the saturation by 10% instead.

 53.1072, 0.2272,
0.2798


 53.1072, 0.2272,
0.2798

398.6963, 0.2674,
0.3045


 37.8884, 0.2180,
0.2737


 94.7621, 0.2412,
0.2887

 25.8960, 0.2067,
0.2660


 121.9669, 0.2466,
0.2921

 16.7459, 0.1924,
0.2559


 153.9359, 0.2513,
0.2950

 10.0535, 0.1741,
0.2423

 191.0534, 0.2553,
0.2974

 5.4344, 0.1498,
0.2230

233.7037, 0.2589,
0.2996

 2.5043, 0.1169,
0.1944

282.2714, 0.2621,

 0.8788, 0.0572,

0.3014

0.1523

337.1408, 0.2649,
0.3031

0.0000, 0.0000,
0.0000

53.1072, 0.2272,
0.2798

53.1072, 0.2272,
0.2798

49.0612, 0.2176,
0.2702

57.6850, 0.2386,
0.2891

45.5002, 0.2100,
0.2606

62.8246, 0.2515,
0.2981

42.3771, 0.2043,
0.2510

68.5602, 0.2655,
0.3066

39.8844, 0.2007,
0.2425

74.9213, 0.2803,
0.3145

81.9351, 0.2956,
0.3217

■ 89.6269, 0.3111,
0.3283

■ 95.9048, 0.3195,
0.3344

■ 99.3123, 0.3191,
0.3395

Harmonies

Analogous

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



53.1072, 0.2364, 0.3185



53.1072, 0.2272, 0.2798



53.1072, 0.2384, 0.2581

Triad

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



53.1072, 0.2272, 0.2798



53.1072, 0.3595, 0.2954



53.1072, 0.3537, 0.4137

Complementary

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



53.1072, 0.2272, 0.2798



36.8518, 0.4775, 0.3683

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.



53.1072, 0.3903, 0.3992



53.1072, 0.2272, 0.2798



53.1072, 0.3950, 0.3307

Square

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



53.1072, 0.2272, 0.2798



53.1072, 0.3122, 0.2684



53.1072, 0.4062, 0.3680



53.1072, 0.3077, 0.4020

Rectangle

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



53.1072, 0.2272, 0.2798



53.1072, 0.2565, 0.2539



53.1072, 0.4062, 0.3680



53.1072, 0.3675, 0.4114

Sweetspot

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



53.1091, 0.2272, 0.2798



85.0634, 0.2849, 0.3167



68.8167, 0.2883, 0.4808



17.7389, 0.2805, 0.3145



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.



53.1091, 0.2272, 0.2798



53.3480, 0.2158, 0.2682



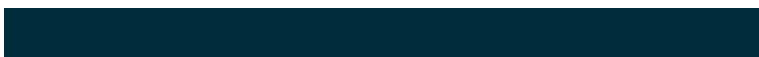
25.5470, 0.2040, 0.1776



18.0000, 0.2980, 0.3228



21.9156, 0.2011, 0.2441



2.0901, 0.2044, 0.2560

Inverse Universe

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



31.8830, 0.3594, 0.2181



30.0273, 0.3721, 0.2043



64.5755, 0.4214, 0.4415



16.6918, 0.3177, 0.3115



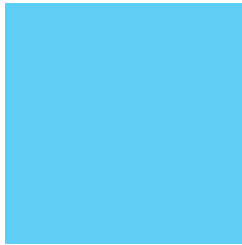
12.3118, 0.3982, 0.1967



1.0986, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 53.1072, 0.2272, 0.2798 looks on a white background.

Color Contrast Check

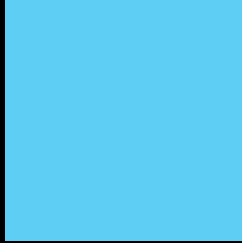
Large Text (above 18pt) WCAG AA × Fail

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 53.1072, 0.2272, 0.2798 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 53.1072, 0.2272, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 53.1072, 0.2272, 0.2798.



This preview shows how white text looks on a background with the Yxy color 53.1072, 0.2272, 0.2798.

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

53.1072, 0.2272, 0.2798

Protanopia

52.5982, 0.2771, 0.2789

Deuteranopia

52.4470, 0.2657, 0.2593



Tritanopia

53.1182, 0.2330, 0.3059

Trichromacy



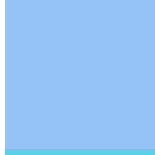
Original Color

53.1072, 0.2272, 0.2798



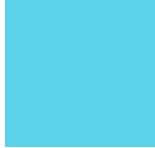
Protanomaly

52.0200, 0.2546, 0.2791



Deuteranomaly

52.1352, 0.2480, 0.2656



Tritanomaly

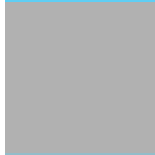
53.1686, 0.2307, 0.2957

Monochromacy



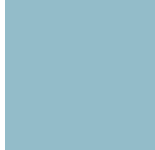
Original Color

53.1072, 0.2272, 0.2798



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.3865, 0.2722, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1072, 0.2272, 0.2798 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(95, 206, 244)` looks like.

```
.text, #text, p{  
    color:rgb(95, 206, 244)  
}
```

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(95, 206, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 206, 244) }
```

Border

The CSS property to change the border of an element to Yxy 53.1072, 0.2272, 0.2798 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(95, 206, 244) }
```

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

```
.border{ border-color:rgb(95, 206, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 206, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 206, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 206, 244);  
box-shadow:4px 4px 4px 4px rgb(95, 206,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1072, 0.2272, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 206, 244) }
```

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

```
.background{ background-color: rgb(95, 206,  
244) }
```

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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