

Converting Colors

$Y_{xy}(53.2500, 0.2268, 0.2798)$

Have a look what the booklet for
Yxy(53.2500, 0.2268, 0.2798)
contains.

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Color

Yxy(53.0540, 0.2268, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	5ECE F4
RGB	94, 206, 244
RGB Percent	37%, 81%, 96%
CMY	0.6319, 0.1921, 0.0432
CMYK	0.62, 0.16, 0.00, 0.04
HSL	195°, 87%, 66%
HSV	195°, 62%, 96%
XYZ	43.0045, 53.0540, 93.5556
YIQ	176.8440, -78.9500, -11.9260

Conversions

Conversions Part 2

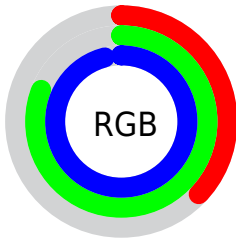
Format	Color
R _Y B	94, 158, 244
Decimal	6213364
CIE Lab	77.91, -20.92, -28.23
CIE LCh	78, 35.136, 233.457
Yxy	53.0540, 0.2268, 0.2798
Android (android.graphics.Color)	4284403444 (0xFF5ECE F4)
YUV	176.8440, 33.1079, -72.6542
Hunter-Lab	72.8382, -22.0785, -25.1671

Details

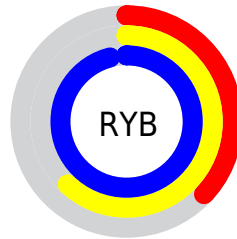
The Yxy color **53.0540, 0.2268, 0.2798** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.4953, 0.4796, 0.3681**, and the grayscale version is **43.7174, 0.3127, 0.3290**.

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 **49.0520, 0.2173, 0.2703**, and if you desaturate by 10%, it is **57.5839, 0.2381, 0.2891**.

Distribution



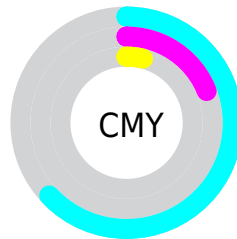
- Red (37%)
- Green (81%)
- Blue (96%)



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



- Cyan (62%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0540, 0.2268, 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 53.0540, 0.2268, 0.2798 by changing the saturation by 10% instead.


 53.0540, 0.2268,
0.2798

 53.0540, 0.2268,
0.2798

398.4923, 0.2672,
0.3046

 37.8459, 0.2176,
0.2737


 94.6838, 0.2408,
0.2888

 25.8631, 0.2062,
0.2660


 121.8743, 0.2463,
0.2921

 16.7212, 0.1919,
0.2559


 153.8277, 0.2510,
0.2950

 10.0359, 0.1734,
0.2422

 190.9284, 0.2551,
0.2975

 5.4228, 0.1491,
0.2229

233.5609, 0.2586,
0.2996

 2.4974, 0.1161,
0.1942

282.1094, 0.2618,

 0.8753, 0.0558,

0.3014

0.1521

336.9584, 0.2646,
0.3031

0.0000, 0.0000,
0.0000

53.0540, 0.2268,
0.2798

53.0540, 0.2268,
0.2798

49.0520, 0.2173,
0.2703

57.5839, 0.2381,
0.2891

45.5307, 0.2098,
0.2608

62.6719, 0.2509,
0.2980

42.4428, 0.2043,
0.2513

68.3522, 0.2648,
0.3064

40.1018, 0.2009,
0.2433

74.6544, 0.2796,
0.3142

81.6058, 0.2949,
0.3215

■ 89.2318, 0.3103,
0.3281

■ 95.6786, 0.3195,
0.3341

■ 99.3113, 0.3191,
0.3396

Harmonies

Analogous

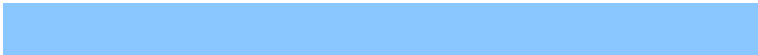
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.0540, 0.2362, 0.3188



53.0540, 0.2268, 0.2798



53.0540, 0.2379, 0.2578

Triad

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



53.0540, 0.2268, 0.2798



53.0540, 0.3594, 0.2950



53.0540, 0.3542, 0.4141

Complementary

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



53.0540, 0.2268, 0.2798



36.4953, 0.4796, 0.3681

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.



53.0540, 0.3909, 0.3993



53.0540, 0.2268, 0.2798



53.0540, 0.3952, 0.3304

Square

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



53.0540, 0.2268, 0.2798



53.0540, 0.3118, 0.2680



53.0540, 0.4067, 0.3679



53.0540, 0.3080, 0.4026

Rectangle

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



53.0540, 0.2268, 0.2798



53.0540, 0.2559, 0.2536



53.0540, 0.4067, 0.3679



53.0540, 0.3681, 0.4117

Sweetspot

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



53.0559, 0.2268, 0.2798



85.1250, 0.2849, 0.3168



68.7192, 0.2882, 0.4822



17.7541, 0.2805, 0.3147



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.



53.0559, 0.2268, 0.2798



53.1461, 0.2151, 0.2678



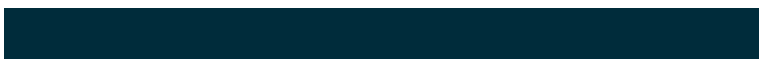
25.2424, 0.2031, 0.1762



18.0065, 0.2980, 0.3229



22.0361, 0.2014, 0.2449



2.0998, 0.2046, 0.2567

Inverse Universe

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



31.6699, 0.3595, 0.2171



29.7099, 0.3726, 0.2031



64.4022, 0.4223, 0.4422



16.6925, 0.3177, 0.3115



12.3239, 0.3974, 0.1963



1.0996, 0.3857, 0.1898

Previews

White Background



This preview shows how the Yxy color 53.0540, 0.2268, 0.2798 looks on a white background.

Color Contrast Check

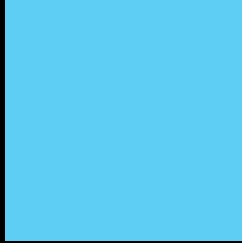
Large Text (above 18pt) WCAG AA × Fail

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 53.0540, 0.2268, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

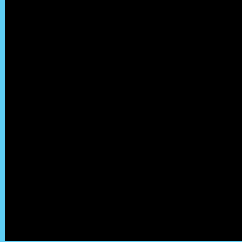
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

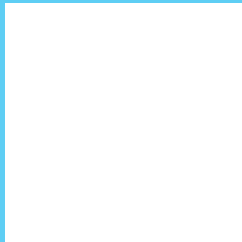
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0540, 0.2268, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 53.0540, 0.2268, 0.2798.

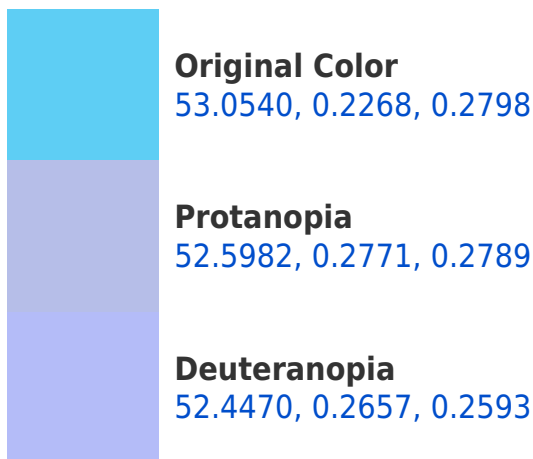


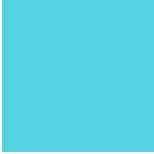
This preview shows how white text looks on a background with the Yxy color 53.0540, 0.2268, 0.2798.

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





Tritanopia

53.0703, 0.2327, 0.3059

Trichromacy



Original Color

53.0540, 0.2268, 0.2798



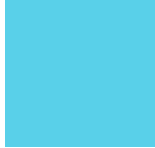
Protanomaly

52.0200, 0.2546, 0.2791



Deuteranomaly

52.1352, 0.2480, 0.2656



Tritanomaly

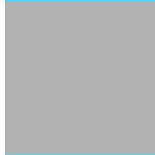
53.1188, 0.2303, 0.2957

Monochromacy



Original Color

53.0540, 0.2268, 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 53.0540, 0.2268, 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(94, 206, 244)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 206, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 206, 244) }
```

Border

The CSS property to change the border of an element to Yxy 53.0540, 0.2268, 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(94, 206, 244) }
```

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

```
.border{ border-color:rgb(94, 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(94, 206, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 206, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 206, 244);  
box-shadow:4px 4px 4px 4px rgb(94, 206,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0540, 0.2268, 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(94, 206, 244) }
```

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

```
.background{ background-color: rgb(94, 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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