

Converting Colors

$Yxy(53.4642, 0.2209, 0.2896)$

Have a look what the booklet for
Yxy(53.4642, 0.2209, 0.2896)
contains.

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Color

Yxy(53.4412, 0.2208, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	3FD2F0
RGB	63, 210, 240
RGB Percent	25%, 82%, 94%
CMY	0.7536, 0.1764, 0.0588
CMYK	0.74, 0.12, 0.00, 0.06
HSL	190°, 86%, 59%
HSV	190°, 74%, 94%
XYZ	40.8157, 53.4412, 90.5968
YIQ	169.4670, -97.2420, -21.8340

Conversions

Conversions Part 2

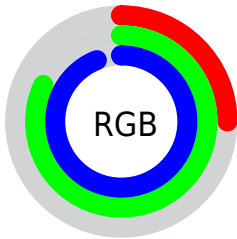
Format	Color
R _{YB}	63, 143, 240
Decimal	4182768
CIE Lab	78.13, -28.53, -25.81
CIE LCh	78, 38.471, 222.135
Yxy	53.4412, 0.2208, 0.2891
Android (android.graphics.Color)	4282372848 (0xFF3FD2F0)
YUV	169.4670, 34.7728, -93.3716
Hunter-Lab	73.1035, -28.2696, -22.3054

Details

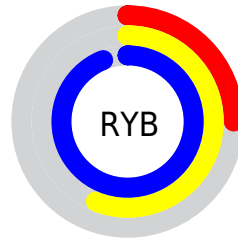
The Yxy color **53.4412, 0.2208, 0.2891** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.6785, 0.5424, 0.3553**, and the grayscale version is **39.7591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **26.9034, 0.2106, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **50.8396, 0.2149, 0.2830**, and if you desaturate by 10%, it is **56.4414, 0.2286, 0.2952**.

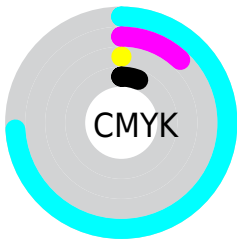
Distribution



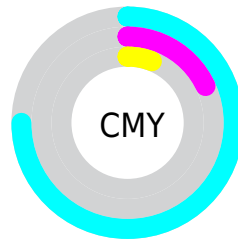
- Red (25%)
- Green (82%)
- Blue (94%)



- Red (25%)
- Yellow (56%)
- Blue (94%)



- Cyan (74%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)





- Cyan (75%)
- Magenta (18%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4412, 0.2208, 0.2891 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 53.4412, 0.2208, 0.2891 by changing the saturation by 10% instead.


 53.4412, 0.2208,
0.2891

 53.4412, 0.2208,
0.2891

399.9755, 0.2638,
0.3098


 38.1551, 0.2110,
0.2839


 95.2533, 0.2357,
0.2967


 26.1031, 0.1990,
0.2771

 122.5480, 0.2415,
0.2995

 16.9008, 0.1839,
0.2682


 154.6145, 0.2465,
0.3019

 10.1638, 0.1645,
0.2559

 191.8370, 0.2509,
0.3040

 5.5077, 0.1390,
0.2382

234.5999, 0.2547,
0.3057

 2.5481, 0.1050,
0.2110

283.2877, 0.2581,

 0.9006, 0.0305,

0.3072

0.1722

338.2848, 0.2611,
0.3086

■ 0.0000, 0.0000,
0.0000

■ 53.4412, 0.2208,
0.2891

■ 53.4412, 0.2208,
0.2891

■ 50.8396, 0.2149,
0.2830

■ 56.4414, 0.2286,
0.2952

■ 48.5818, 0.2110,
0.2769

■ 59.8744, 0.2384,
0.3013

■ 47.3133, 0.2092,
0.2732

■ 63.7770, 0.2498,
0.3071

■ 68.1799, 0.2626,
0.3127

■ 73.1114, 0.2766,
0.3180

 78.5971, 0.2915,
0.3229

 84.6611, 0.3068,
0.3274

 91.3258, 0.3223,
0.3315

 93.8083, 0.3221,
0.3354

Harmonies

Analogous

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



53.4412, 0.2390, 0.3367



53.4412, 0.2208, 0.2891



53.4412, 0.2245, 0.2581

Triad

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



53.4412, 0.2208, 0.2891



53.4412, 0.3445, 0.2797



53.4412, 0.3746, 0.4187

Complementary

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



53.4412, 0.2208, 0.2891



26.6785, 0.5424, 0.3553

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.



53.4412, 0.4076, 0.3935



53.4412, 0.2208, 0.2891



53.4412, 0.3907, 0.3151

Square

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



53.4412, 0.2208, 0.2891



53.4412, 0.2922, 0.2555



53.4412, 0.4143, 0.3555



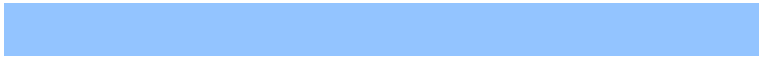
53.4412, 0.3265, 0.4184

Rectangle

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



53.4412, 0.2208, 0.2891



53.4412, 0.2389, 0.2487



53.4412, 0.4143, 0.3555



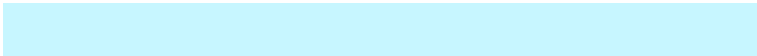
53.4412, 0.3879, 0.4125

Sweetspot

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



53.4431, 0.2208, 0.2891



84.9600, 0.2792, 0.3189



64.1476, 0.2928, 0.5344



17.8357, 0.2752, 0.3175



0.0000, 0.0000, 0.0000



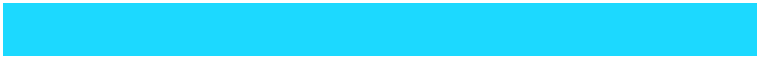
21.4041, 0.3127, 0.3290

Same Dimension

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



53.4431, 0.2208, 0.2891



56.8841, 0.2125, 0.2796



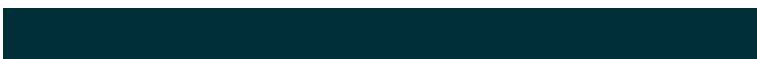
21.2350, 0.1884, 0.1619



17.4470, 0.2981, 0.3249



26.0728, 0.2095, 0.2741



2.2882, 0.2117, 0.2821

Inverse Universe

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



26.7156, 0.3534, 0.1914



27.0815, 0.3634, 0.1818



51.9060, 0.4554, 0.4431



15.9828, 0.3164, 0.3096



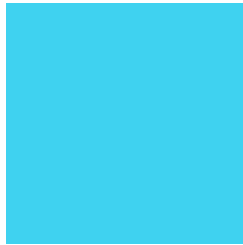
12.4254, 0.3689, 0.1806



1.0457, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 53.4412, 0.2208, 0.2891 looks on a white background.

Color Contrast Check

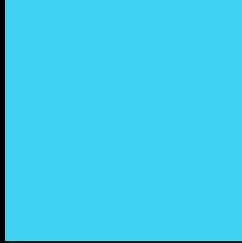
Large Text (above 18pt) WCAG AA × Fail

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 53.4412, 0.2208, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

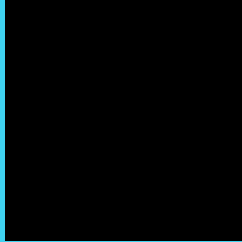
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.4412, 0.2208, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 53.4412, 0.2208, 0.2891.



This preview shows how white text looks on a background with the Yxy color 53.4412, 0.2208, 0.2891.

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

53.4412, 0.2208, 0.2891

Protanopia

52.5082, 0.2825, 0.2857

Deuteranopia

52.5041, 0.2689, 0.2626



Tritanopia

53.5284, 0.2239, 0.3056

Trichromacy



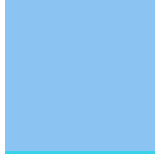
Original Color

53.4412, 0.2208, 0.2891



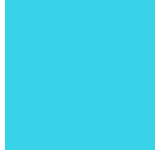
Protanomaly

51.2775, 0.2517, 0.2855



Deuteranomaly

51.4399, 0.2447, 0.2703



Tritanomaly

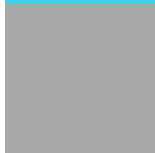
53.3416, 0.2226, 0.2991

Monochromacy



Original Color

53.4412, 0.2208, 0.2891



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.9669, 0.2639, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4412, 0.2208, 0.2891 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(63, 210, 240)` looks like.

```
.text, #text, p{  
    color:rgb(63, 210, 240)  
}
```

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(63, 210, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 210, 240) }
```

Border

The CSS property to change the border of an element to Yxy 53.4412, 0.2208, 0.2891 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(63, 210, 240) }
```

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

```
.border{ border-color:rgb(63, 210, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 210, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 210, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 210, 240);  
box-shadow:4px 4px 4px 4px rgb(63, 210,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4412, 0.2208, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 210, 240) }
```

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

```
.background{ background-color: rgb(63, 210,  
240) }
```

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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