

Converting Colors

$Yxy(52.9458, 0.2233, 0.2731)$

Have a look what the booklet for
Yxy(52.9458, 0.2233, 0.2731)
contains.

Yxy(53.1558, 0.2235, 0.2738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.1558, 0.2235, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	5ACEF9
RGB	90, 206, 249
RGB Percent	35%, 81%, 98%
CMY	0.6468, 0.1922, 0.0235
CMYK	0.64, 0.17, 0.00, 0.02
HSL	196°, 93%, 66%
HSV	196°, 64%, 98%
XYZ	43.3905, 53.1558, 97.5947
YIQ	176.2180, -82.9390, -11.2190

Conversions

Conversions Part 2

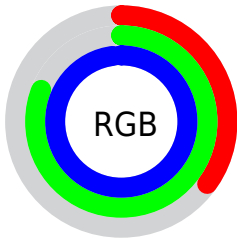
Format	Color
R _Y B	90, 157, 249
Decimal	5951225
CIE Lab	77.97, -20.03, -30.82
CIE LCh	78, 36.762, 236.977
Yxy	53.1558, 0.2235, 0.2738
Android (android.graphics.Color)	4284141305 (0xFF5ACEF9)
YUV	176.2180, 35.8815, -75.6132
Hunter-Lab	72.9080, -21.3565, -28.3300

Details

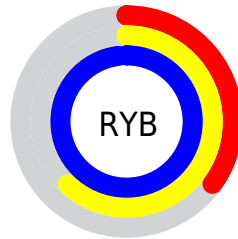
The Yxy color **53.1558, 0.2235, 0.2738** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.6726, 0.4866, 0.3717**, and the grayscale version is **43.3867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **26.2622, 0.2057, 0.2604** is the 20% darker color. If you saturate the color by 10%, you get **48.9356, 0.2142, 0.2635**, and if you desaturate by 10%, it is **57.9370, 0.2346, 0.2839**.

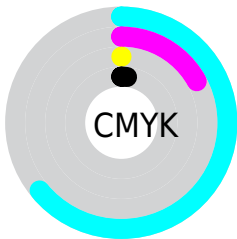
Distribution



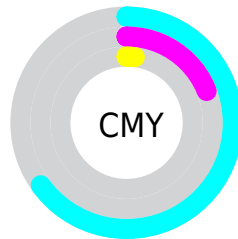
- Red (35%)
- Green (81%)
- Blue (98%)



- Red (35%)
- Yellow (62%)
- Blue (98%)



- Cyan (64%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)





- Cyan (65%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1558, 0.2235, 0.2738 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 53.1558, 0.2235, 0.2738 by changing the saturation by 10% instead.


 53.1558, 0.2235,
0.2738


 53.1558, 0.2235,
0.2738

398.8826, 0.2653,
0.3014


 37.9272, 0.2140,
0.2671

 94.8336, 0.2380,
0.2837


 25.9262, 0.2023,
0.2586

 122.0515, 0.2436,
0.2875

 16.7684, 0.1877,
0.2476


 154.0347, 0.2485,
0.2907

 10.0695, 0.1689,
0.2329

 191.1674, 0.2527,
0.2934

 5.4451, 0.1443,
0.2123

233.8342, 0.2564,
0.2958

 2.5107, 0.1115,
0.1824

282.4194, 0.2597,

 0.8820, 0.0551,

0.2979

0.1391

337.3074, 0.2626,
0.2997

0.0000, 0.0000,
0.0000

53.1558, 0.2235,
0.2738

53.1558, 0.2235,
0.2738

48.9356, 0.2142,
0.2635

57.9370, 0.2346,
0.2839

45.2253, 0.2069,
0.2533

63.3127, 0.2473,
0.2935

41.9718, 0.2016,
0.2431

69.3199, 0.2612,
0.3027

40.1435, 0.1991,
0.2369

75.9907, 0.2760,
0.3113

83.3545, 0.2913,
0.3192

91.4387, 0.3068,
0.3264

98.4494, 0.3163,
0.3330

99.6196, 0.3162,
0.3347

Harmonies

Analogous

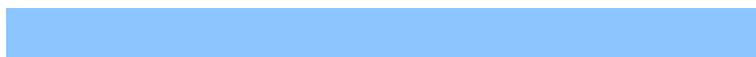
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.1558, 0.2307, 0.3126



53.1558, 0.2235, 0.2738



53.1558, 0.2374, 0.2534

Triad

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



53.1558, 0.2235, 0.2738



53.1558, 0.3668, 0.2975



53.1558, 0.3505, 0.4183

Complementary

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



53.1558, 0.2235, 0.2738



37.6726, 0.4866, 0.3717

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.



53.1558, 0.3907, 0.4052



53.1558, 0.2235, 0.2738



53.1558, 0.4019, 0.3349

Square

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



53.1558, 0.2235, 0.2738



53.1558, 0.3176, 0.2682



53.1558, 0.4104, 0.3736



53.1558, 0.3020, 0.4028

Rectangle

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



53.1558, 0.2235, 0.2738



53.1558, 0.2576, 0.2506



53.1558, 0.4104, 0.3736



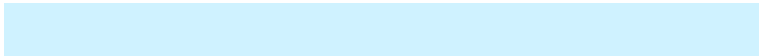
53.1558, 0.3654, 0.4167

Sweetspot

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



53.1577, 0.2235, 0.2738



83.8600, 0.2833, 0.3152



71.6065, 0.2868, 0.4855



17.4805, 0.2789, 0.3129



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.



53.1577, 0.2235, 0.2738



50.3211, 0.2116, 0.2602



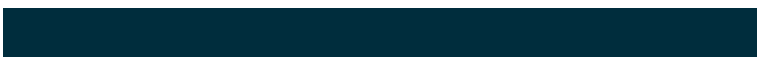
24.2339, 0.1982, 0.1661



18.7676, 0.2980, 0.3224



21.7360, 0.1996, 0.2385



2.1886, 0.2030, 0.2506

Inverse Universe

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



31.9191, 0.3652, 0.2164



28.6104, 0.3802, 0.2036



67.9236, 0.4246, 0.4476



17.4397, 0.3180, 0.3119



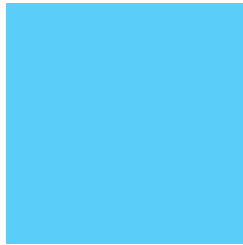
12.6052, 0.4038, 0.1998



1.1852, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 53.1558, 0.2235, 0.2738 looks on a white background.

Color Contrast Check

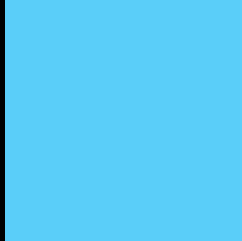
Large Text (above 18pt) WCAG AA × Fail

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 53.1558, 0.2235, 0.2738 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 53.1558, 0.2235, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 53.1558, 0.2235, 0.2738.

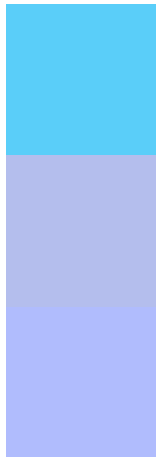


This preview shows how white text looks on a background with the Yxy color 53.1558, 0.2235, 0.2738.

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

53.1558, 0.2235, 0.2738

Protanopia

52.6446, 0.2726, 0.2732

Deuteranopia

52.2884, 0.2602, 0.2537



Tritanopia

53.3015, 0.2303, 0.3058

Trichromacy



Original Color

53.1558, 0.2235, 0.2738

Protanomaly

52.0338, 0.2502, 0.2732

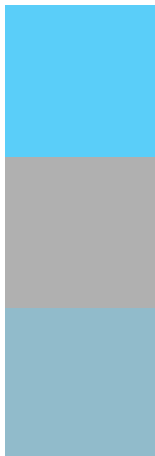
Deuteranomaly

52.0782, 0.2433, 0.2598

Tritanomaly

53.4381, 0.2279, 0.2944

Monochromacy



Original Color

53.1558, 0.2235, 0.2738

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.8722, 0.2694, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1558, 0.2235, 0.2738 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(90, 206, 249)` looks like.

```
.text, #text, p{  
    color:rgb(90, 206, 249)  
}
```

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(90, 206, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 206, 249) }
```

Border

The CSS property to change the border of an element to Yxy 53.1558, 0.2235, 0.2738 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(90, 206, 249) }
```

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

```
.border{ border-color:rgb(90, 206, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 206, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 206, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 206, 249);  
box-shadow:4px 4px 4px 4px rgb(90, 206,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1558, 0.2235, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 206, 249) }
```

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

```
.background{ background-color: rgb(90, 206,  
249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor