

Converting Colors

$Yxy(56.4798, 0.2070, 0.2235)$

Have a look what the booklet for
Yxy(56.4798, 0.2070, 0.2235)
contains.

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Color

Yxy(53.2098, 0.2218, 0.2659)

Conversions

Conversions Part 1

Format	Color
Hex	5DCDFF
RGB	93, 205, 255
RGB Percent	36%, 80%, 100%
CMY	0.6356, 0.1960, 0.0001
CMYK	0.64, 0.20, 0.00, 0.00
HSL	198°, 100%, 68%
HSV	198°, 64%, 100%
XYZ	44.3849, 53.2098, 102.5174
YIQ	177.2120, -82.8020, -8.1940

Conversions

Conversions Part 2

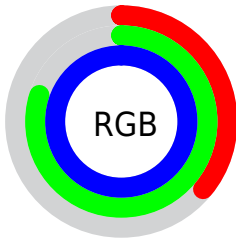
Format	Color
R _Y B	93, 159, 255
Decimal	6147583
CIE Lab	78.00, -17.25, -33.96
CIE LCh	78, 38.089, 243.066
Yxy	53.2098, 0.2218, 0.2659
Android (android.graphics.Color)	4284337663 (0xFF5DCDFF)
YUV	177.2120, 38.3495, -73.8539
Hunter-Lab	72.9450, -19.0420, -32.2650

Details

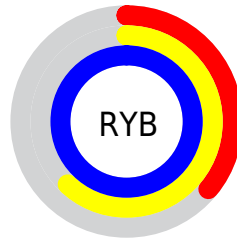
The Yxy color **53.2098, 0.2218, 0.2659** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.6499, 0.4808, 0.3778**, and the grayscale version is **43.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.4302, 0.2119, 0.2541**, and if you desaturate by 10%, it is **58.6253, 0.2335, 0.2775**.

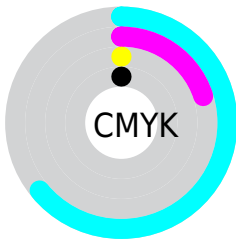
Distribution



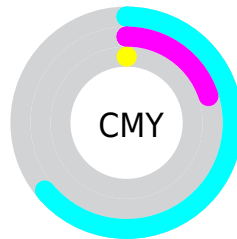
- Red (36%)
- Green (80%)
- Blue (100%)



- Red (36%)
- Yellow (62%)
- Blue (100%)



- Cyan (64%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2098, 0.2218, 0.2659 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 53.2098, 0.2218, 0.2659 by changing the saturation by 10% instead.


 53.2098, 0.2218,
0.2659


 53.2098, 0.2218,
0.2659

399.0895, 0.2643,
0.2970


 37.9703, 0.2122,
0.2584

 94.9130, 0.2365,
0.2770


 25.9596, 0.2004,
0.2491


 122.1455, 0.2422,
0.2812

 16.7934, 0.1856,
0.2371


 154.1444, 0.2472,
0.2848

 10.0873, 0.1668,
0.2211

 191.2942, 0.2515,
0.2879

 5.4569, 0.1423,
0.1993

233.9792, 0.2553,
0.2907

 2.5178, 0.1099,
0.1683

282.5838, 0.2586,

 0.8855, 0.0590,

0.2930

0.1243

337.4925, 0.2616,
0.2951

0.0000, 0.0000,
0.0000

53.2098, 0.2218,
0.2659

53.2098, 0.2218,
0.2659

48.4302, 0.2119,
0.2541

58.6253, 0.2335,
0.2775

44.2320, 0.2040,
0.2422

64.7134, 0.2467,
0.2886

40.5581, 0.1982,
0.2304

71.5140, 0.2611,
0.2992

38.4168, 0.1953,
0.2230

79.0617, 0.2762,
0.3090

87.3886, 0.2916,
0.3181

96.5244, 0.3072,
0.3263

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



53.2098, 0.2247, 0.3024



53.2098, 0.2218, 0.2659



53.2098, 0.2404, 0.2491

Triad

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



53.2098, 0.2218, 0.2659



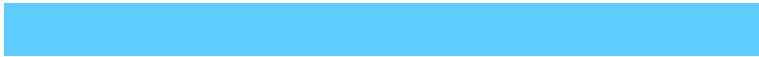
53.2098, 0.3779, 0.3037



53.2098, 0.3417, 0.4210

Complementary

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



53.2098, 0.2218, 0.2659



41.6499, 0.4808, 0.3778

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.



53.2098, 0.3862, 0.4125



53.2098, 0.2218, 0.2659



53.2098, 0.4094, 0.3431

Square

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



53.2098, 0.2218, 0.2659



53.2098, 0.3284, 0.2714



53.2098, 0.4119, 0.3824



53.2098, 0.2915, 0.3988

Rectangle

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



53.2098, 0.2218, 0.2659



53.2098, 0.2636, 0.2489



53.2098, 0.4119, 0.3824



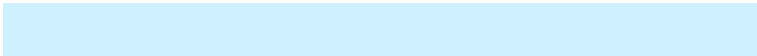
53.2098, 0.3578, 0.4213

Sweetspot

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



53.2117, 0.2218, 0.2659



82.7789, 0.2832, 0.3133



75.7659, 0.2845, 0.4779



17.2173, 0.2788, 0.3106



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.



53.2117, 0.2218, 0.2659



47.3646, 0.2098, 0.2512



24.2903, 0.1970, 0.1599



19.4810, 0.2980, 0.3215



20.3551, 0.1958, 0.2249



2.1760, 0.1995, 0.2382

Inverse Universe

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



33.4770, 0.3721, 0.2218



28.5707, 0.3886, 0.2103



74.5861, 0.4207, 0.4517



18.1994, 0.3186, 0.3127



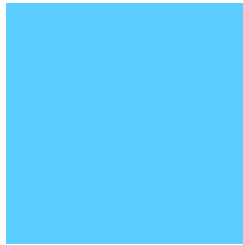
12.7828, 0.4180, 0.2076



1.2642, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 53.2098, 0.2218, 0.2659 looks on a white background.

Color Contrast Check

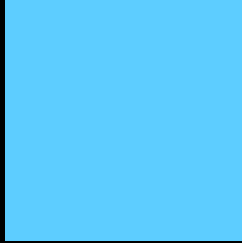
Large Text (above 18pt) WCAG AA × Fail

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 53.2098, 0.2218, 0.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

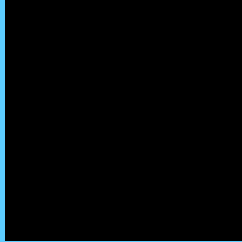
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

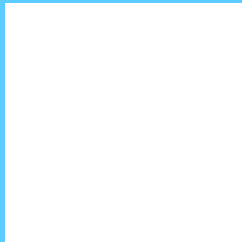
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2098, 0.2218, 0.2659

Background



This preview shows how black text looks on a background with the Yxy color 53.2098, 0.2218, 0.2659.



This preview shows how white text looks on a background with the Yxy color 53.2098, 0.2218, 0.2659.

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

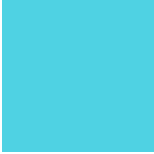
53.2098, 0.2218, 0.2659

Protanopia

52.3918, 0.2668, 0.2643

Deuteranopia

52.6139, 0.2579, 0.2526



Tritanopia

53.3015, 0.2303, 0.3058

Trichromacy



Original Color

53.2098, 0.2218, 0.2659



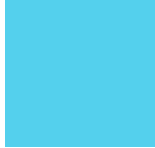
Protanomaly

52.0106, 0.2464, 0.2643



Deuteranomaly

52.2700, 0.2418, 0.2567



Tritanomaly

53.1110, 0.2270, 0.2906

Monochromacy



Original Color

53.2098, 0.2218, 0.2659



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.0594, 0.2688, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2098, 0.2218, 0.2659 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(93, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 205, 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(93, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.2098, 0.2218, 0.2659 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(93, 205, 255) }
```

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

```
.border{ border-color:rgb(93, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2098, 0.2218, 0.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 205, 255) }
```

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

```
.background{ background-color: rgb(93, 205,  
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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