

Converting Colors

$Y_{xy}(56.0045, 0.2237, 0.2332)$

Have a look what the booklet for
Yxy(56.0045, 0.2237, 0.2332)
contains.

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Color

Yxy(53.8988, 0.2366, 0.2632)

Conversions

Conversions Part 1

Format	Color
Hex	84C9FF
RGB	132, 201, 255
RGB Percent	52%, 79%, 100%
CMY	0.4822, 0.2118, 0.0001
CMYK	0.48, 0.21, 0.00, 0.00
HSL	206°, 100%, 76%
HSV	206°, 48%, 100%
XYZ	48.4516, 53.8988, 102.4323
YIQ	186.5250, -58.4580, 2.1660

Conversions

Conversions Part 2

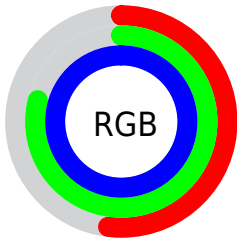
Format	Color
R_{YB}	132, 176, 255
Decimal	8702463
CIE _{Lab}	78.40, -7.49, -33.21
CIE _{LCh}	78, 34.041, 257.287
Yxy	53.8988, 0.2366, 0.2632
Android (android.graphics.Color)	4286892543 (0xFF84C9FF)
YUV	186.5250, 33.7582, -47.8184
Hunter-Lab	73.4158, -10.6746, -31.3324

Details

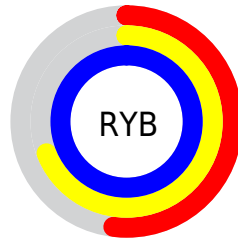
The Yxy color **53.8988, 0.2366, 0.2632** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0395, 0.4177, 0.3851**, and the grayscale version is **49.2484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **26.3224, 0.2180, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **47.0598, 0.2222, 0.2465**, and if you desaturate by 10%, it is **61.6244, 0.2520, 0.2791**.

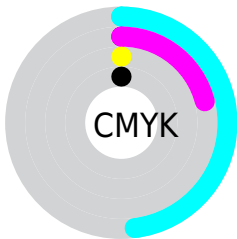
Distribution



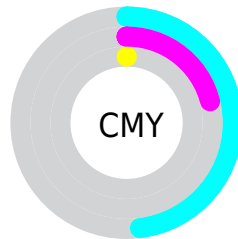
- Red (52%)
- Green (79%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8988, 0.2366, 0.2632 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 53.8988, 0.2366, 0.2632 by changing the saturation by 10% instead.

■ 53.8988, 0.2366,
0.2632

■ 53.8988, 0.2366,
0.2632

401.7240, 0.2725,
0.2949

■ 38.5208, 0.2284,
0.2557

■ 95.9256, 0.2491,
0.2744

■ 26.3871, 0.2182,
0.2465

■ 123.3432, 0.2540,
0.2787

■ 17.1135, 0.2054,
0.2346

■ 155.5428, 0.2581,
0.2824

■ 10.3154, 0.1889,
0.2190

192.9087, 0.2617,
0.2856

■ 5.6086, 0.1669,
0.1979

235.8254, 0.2649,
0.2884

■ 2.6086, 0.1368,
0.1682

284.6773, 0.2677,

■ 0.9310, 0.0943,

0.2908

0.1252

339.8486, 0.2702,
0.2930

0.0000, 0.0000,
0.0000

53.8988, 0.2366,
0.2632

53.8988, 0.2366,
0.2632

47.0598, 0.2222,
0.2465

61.6244, 0.2520,
0.2791

41.0560, 0.2093,
0.2293

70.2718, 0.2680,
0.2939

35.8388, 0.1984,
0.2119

79.8813, 0.2841,
0.3075

31.3494, 0.1896,
0.1949

90.4883, 0.3000,
0.3198

27.5100, 0.1832,
0.1785

99.9981, 0.3127,
0.3290

■ 26.8758, 0.1821,
0.1756

Harmonies

Analogous

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



53.8988, 0.2299, 0.2882



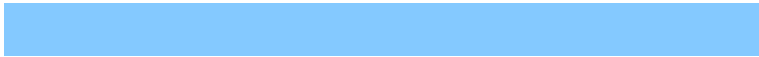
53.8988, 0.2366, 0.2632



53.8988, 0.2621, 0.2562

Triad

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



53.8988, 0.2366, 0.2632



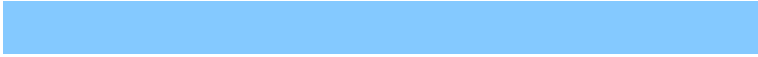
53.8988, 0.3867, 0.3231



53.8988, 0.3176, 0.4042

Complementary

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



53.8988, 0.2366, 0.2632



58.0395, 0.4177, 0.3851

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.



53.8988, 0.3613, 0.4099



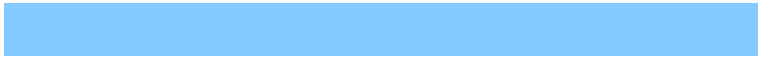
53.8988, 0.2366, 0.2632



53.8988, 0.4032, 0.3595

Square

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



53.8988, 0.2366, 0.2632



53.8988, 0.3487, 0.2900



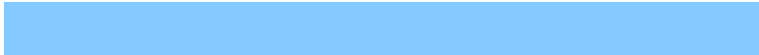
53.8988, 0.3932, 0.3917



53.8988, 0.2746, 0.3729

Rectangle

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



53.8988, 0.2366, 0.2632



53.8988, 0.2878, 0.2611



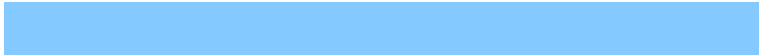
53.8988, 0.3932, 0.3917



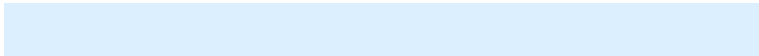
53.8988, 0.3327, 0.4092

Sweetspot

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



53.9008, 0.2366, 0.2632



84.2520, 0.2908, 0.3128



79.9255, 0.2806, 0.4149



17.5522, 0.2874, 0.3101



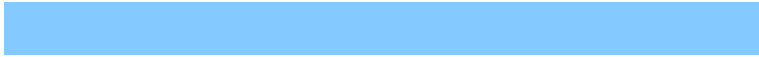
0.0000, 0.0000, 0.0000



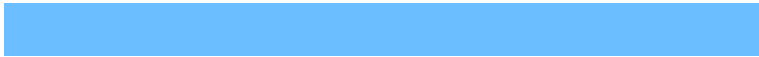
21.4041, 0.3127, 0.3290

Same Dimension

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



53.9008, 0.2366, 0.2632



47.2109, 0.2225, 0.2469



30.9492, 0.2220, 0.1858



19.0685, 0.2979, 0.3183



14.3494, 0.1829, 0.1783



1.6149, 0.1880, 0.1969

Inverse Universe

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



41.9830, 0.3701, 0.2588



35.5172, 0.3876, 0.2466



89.3055, 0.3875, 0.4403



18.1578, 0.3206, 0.3157



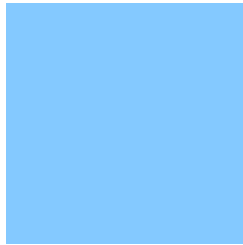
12.1765, 0.4706, 0.2366



1.2076, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 53.8988, 0.2366, 0.2632 looks on a white background.

Color Contrast Check

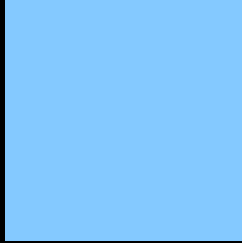
Large Text (above 18pt) WCAG AA × Fail

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 53.8988, 0.2366, 0.2632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

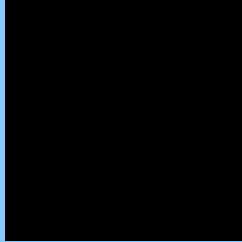
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

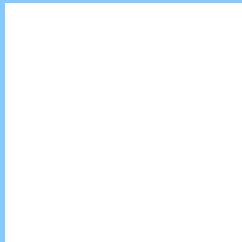
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8988, 0.2366, 0.2632

Background



This preview shows how black text looks on a background with the Yxy color 53.8988, 0.2366, 0.2632.



This preview shows how white text looks on a background with the Yxy color 53.8988, 0.2366, 0.2632.

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

53.8988, 0.2366, 0.2632

Protanopia

53.6226, 0.2654, 0.2627

Deuteranopia

53.3940, 0.2599, 0.2542



Tritanopia

54.0909, 0.2485, 0.3079

Trichromacy



Original Color

53.8988, 0.2366, 0.2632

Protanomaly

53.6766, 0.2536, 0.2626

Deuteranomaly

53.3806, 0.2507, 0.2571

Tritanomaly

54.0964, 0.2440, 0.2906

Monochromacy



Original Color

53.8988, 0.2366, 0.2632

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.6682, 0.2796, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8988, 0.2366, 0.2632 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(132, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 201, 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(132, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.8988, 0.2366, 0.2632 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(132, 201, 255) }
```

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

```
.border{ border-color:rgb(132, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8988, 0.2366, 0.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 201, 255) }
```

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

```
.background{ background-color: rgb(132,  
201, 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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