

Converting Colors

$Yxy(53.6842, 0.2384, 0.2865)$

Have a look what the booklet for
Yxy(53.6842, 0.2384, 0.2865)
contains.

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Color

Yxy(53.6176, 0.2384, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	75CDEE
RGB	117, 205, 238
RGB Percent	46%, 80%, 93%
CMY	0.5410, 0.1961, 0.0668
CMYK	0.51, 0.14, 0.00, 0.07
HSL	196°, 78%, 70%
HSV	196°, 51%, 93%
XYZ	44.6003, 53.6176, 88.8638
YIQ	182.4500, -63.0410, -8.3930

Conversions

Conversions Part 2

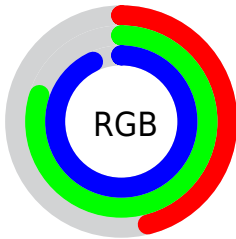
Format	Color
R _{YB}	117, 168, 238
Decimal	7720430
CIE Lab	78.24, -17.66, -24.42
CIE LCh	78, 30.139, 234.133
Yxy	53.6176, 0.2384, 0.2866
Android (android.graphics.Color)	4285910510 (0xFF75CDEE)
YUV	182.4500, 27.3862, -57.3996
Hunter-Lab	73.2240, -19.4189, -20.6968

Details

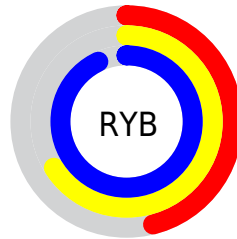
The Yxy color **53.6176, 0.2384, 0.2866** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.2743, 0.4375, 0.3657**, and the grayscale version is **46.9164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **26.3228, 0.2205, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **49.1347, 0.2267, 0.2766**, and if you desaturate by 10%, it is **58.6522, 0.2515, 0.2962**.

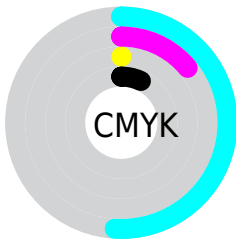
Distribution



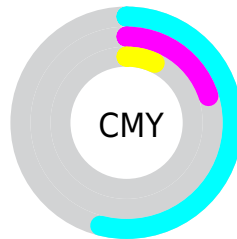
- Red (46%)
- Green (80%)
- Blue (93%)



- Red (46%)
- Yellow (66%)
- Blue (93%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (54%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6176, 0.2384, 0.2866 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 53.6176, 0.2384, 0.2866 by changing the saturation by 10% instead.

■ 53.6176, 0.2384,
0.2866

■ 53.6176, 0.2384,
0.2866

■ 400.6501, 0.2735,
0.3079

■ 38.2960, 0.2303,
0.2814

■ 95.5125, 0.2507,
0.2943

■ 26.2125, 0.2202,
0.2747

■ 122.8547, 0.2554,
0.2972

■ 16.9827, 0.2075,
0.2660

■ 154.9725, 0.2595,
0.2996

■ 10.2222, 0.1908,
0.2541

■ 192.2504, 0.2631,
0.3018

■ 5.5465, 0.1684,
0.2372

■ 235.0727, 0.2662,
0.3036

■ 2.5713, 0.1372,
0.2116

■ 283.8238, 0.2689,

■ 0.9123, 0.0822,

0.3052

0.1722

338.8881, 0.2713,
0.3066

0.0000, 0.0000,
0.0000

53.6176, 0.2384,
0.2866

53.6176, 0.2384,
0.2866

49.1347, 0.2267,
0.2766

58.6522, 0.2515,
0.2962

45.1635, 0.2168,
0.2663

64.2630, 0.2657,
0.3053

41.6674, 0.2089,
0.2560

70.4798, 0.2806,
0.3137

38.6004, 0.2029,
0.2457

77.3286, 0.2960,
0.3214

36.0934, 0.1990,
0.2363

84.8334, 0.3115,
0.3285

92.0901, 0.3236,
0.3348

96.0621, 0.3230,
0.3411

98.9513, 0.3226,
0.3454

Harmonies

Analogous

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



53.6176, 0.2464, 0.3199



53.6176, 0.2384, 0.2866



53.6176, 0.2485, 0.2675

Triad

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



53.6176, 0.2384, 0.2866



53.6176, 0.3535, 0.3004



53.6176, 0.3479, 0.4015

Complementary

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



53.6176, 0.2384, 0.2866



41.2743, 0.4375, 0.3657

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.



53.6176, 0.3794, 0.3902



53.6176, 0.2384, 0.2866



53.6176, 0.3836, 0.3315

Square

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



53.6176, 0.2384, 0.2866



53.6176, 0.3132, 0.2765



53.6176, 0.3930, 0.3639



53.6176, 0.3082, 0.3906

Rectangle

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



53.6176, 0.2384, 0.2866



53.6176, 0.2646, 0.2637



53.6176, 0.3930, 0.3639



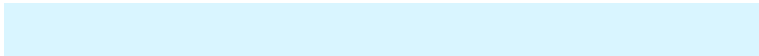
53.6176, 0.3598, 0.3999

Sweetspot

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



53.6196, 0.2384, 0.2866



86.9794, 0.2895, 0.3182



67.0961, 0.2897, 0.4483



18.2553, 0.2862, 0.3166



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.



53.6196, 0.2384, 0.2866



57.2812, 0.2263, 0.2762



30.2867, 0.2222, 0.2044



17.1576, 0.2981, 0.3224



20.3683, 0.1994, 0.2379



1.8589, 0.2032, 0.2514

Inverse Universe

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



35.3127, 0.3515, 0.2358



35.0526, 0.3625, 0.2202



65.4294, 0.4013, 0.4273



15.9536, 0.3180, 0.3120



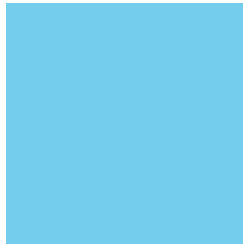
11.8495, 0.4044, 0.2001



1.0024, 0.3909, 0.1927

Previews

White Background



This preview shows how the Yxy color 53.6176, 0.2384, 0.2866 looks on a white background.

Color Contrast Check

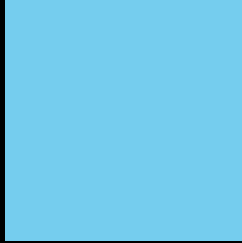
Large Text (above 18pt) WCAG AA × Fail

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 53.6176, 0.2384, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

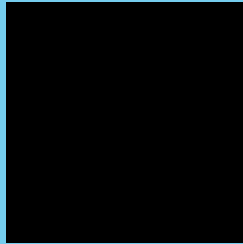
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.6176, 0.2384, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 53.6176, 0.2384, 0.2866.

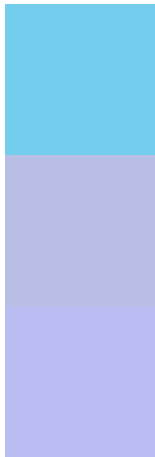


This preview shows how white text looks on a background with the Yxy color 53.6176, 0.2384, 0.2866.

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

53.6176, 0.2384, 0.2866

Protanopia

53.1773, 0.2819, 0.2848

Deuteranopia

53.2451, 0.2736, 0.2674



Tritanopia

53.4522, 0.2433, 0.3063

Trichromacy



Original Color

53.6176, 0.2384, 0.2866

Protanomaly

52.7796, 0.2630, 0.2845

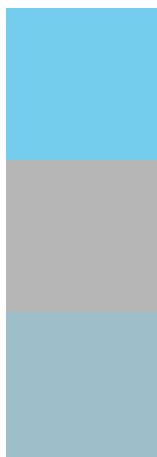
Deuteranomaly

52.9582, 0.2584, 0.2732

Tritanomaly

53.3772, 0.2415, 0.2987

Monochromacy



Original Color

53.6176, 0.2384, 0.2866

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3603, 0.2795, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6176, 0.2384, 0.2866 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(117, 205, 238)` looks like.

```
.text, #text, p{  
    color:rgb(117, 205, 238)  
}
```

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(117, 205, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 205, 238) }
```

Border

The CSS property to change the border of an element to Yxy 53.6176, 0.2384, 0.2866 is called "border". The border property can be set on classes, ids or directly on the HTML element.

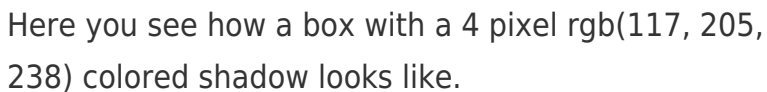
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 205, 238) }
```

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

```
.border{ border-color:rgb(117, 205, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 205, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 205, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 205, 238); box-shadow:4px 4px 4px 4px rgb(117, 205, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6176, 0.2384, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 205, 238) }
```

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

```
.background{ background-color: rgb(117,  
205, 238) }
```

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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