

Converting Colors

$Yxy(53.3806, 0.2281, 0.2644)$

Have a look what the booklet for
Yxy(53.3806, 0.2281, 0.2644)
contains.

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Color

Yxy(53.3766, 0.2282, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	70CBFF
RGB	112, 203, 255
RGB Percent	44%, 80%, 100%
CMY	0.5609, 0.2039, 0.0000
CMYK	0.56, 0.20, 0.00, 0.00
HSL	202°, 100%, 72%
HSV	202°, 56%, 100%
XYZ	46.0860, 53.3766, 102.4920
YIQ	181.7190, -70.9280, -3.1200

Conversions

Conversions Part 2

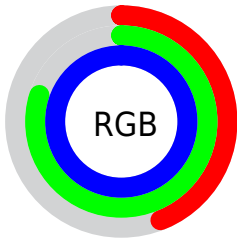
Format	Color
R _Y B	112, 168, 255
Decimal	7392255
CIE Lab	78.10, -12.78, -33.77
CIE LCh	78, 36.110, 249.270
Yxy	53.3766, 0.2282, 0.2643
Android (android.graphics.Color)	4285582335 (0xFF70CBFF)
YUV	181.7190, 36.1275, -61.1436
Hunter-Lab	73.0593, -15.2554, -32.0341

Details

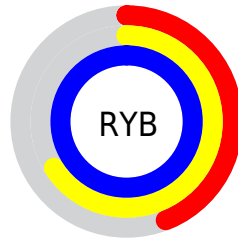
The Yxy color **53.3766, 0.2282, 0.2643** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.9667, 0.4482, 0.3821**, and the grayscale version is **46.4438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **26.0643, 0.2080, 0.2476** is the 20% darker color. If you saturate the color by 10%, you get **47.6874, 0.2161, 0.2503**, and if you desaturate by 10%, it is **59.8032, 0.2418, 0.2778**.

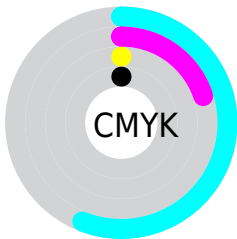
Distribution



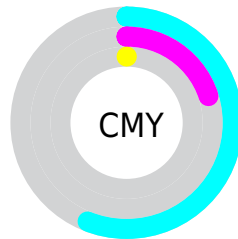
- Red (44%)
- Green (80%)
- Blue (100%)



- Red (44%)
- Yellow (66%)
- Blue (100%)



- Cyan (56%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3766, 0.2282, 0.2643 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 53.3766, 0.2282, 0.2643 by changing the saturation by 10% instead.

■ 53.3766, 0.2282,
0.2643

■ 53.3766, 0.2282,
0.2643

■ 399.7283, 0.2678,
0.2959

■ 38.1035, 0.2192,
0.2568

■ 95.1583, 0.2420,
0.2755

■ 26.0630, 0.2081,
0.2474

■ 122.4357, 0.2473,
0.2798

■ 16.8708, 0.1941,
0.2354

■ 154.4833, 0.2519,
0.2835

■ 10.1424, 0.1762,
0.2196

■ 191.6855, 0.2559,
0.2866

■ 5.4935, 0.1527,
0.1980

■ 234.4267, 0.2595,
0.2894

■ 2.5396, 0.1211,
0.1674

■ 283.0913, 0.2626,

■ 0.8964, 0.0745,

0.2918

0.1236

338.0637, 0.2654,
0.2939

0.0000, 0.0000,
0.0000

53.3766, 0.2282,
0.2643

53.3766, 0.2282,
0.2643

47.6874, 0.2161,
0.2503

59.8032, 0.2418,
0.2778

42.6866, 0.2058,
0.2361

67.0048, 0.2565,
0.2906

38.3226, 0.1977,
0.2220

75.0195, 0.2719,
0.3025

34.5307, 0.1916,
0.2081

83.8816, 0.2876,
0.3135

33.1680, 0.1897,
0.2028

93.6231, 0.3033,
0.3234

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



53.3766, 0.2267, 0.2955



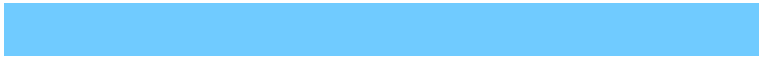
53.3766, 0.2282, 0.2643



53.3766, 0.2500, 0.2520

Triad

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



53.3766, 0.2282, 0.2643



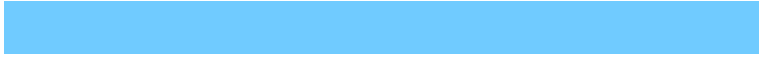
53.3766, 0.3825, 0.3125



53.3766, 0.3306, 0.4139

Complementary

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



53.3766, 0.2282, 0.2643



48.9667, 0.4482, 0.3821

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.



53.3766, 0.3749, 0.4119



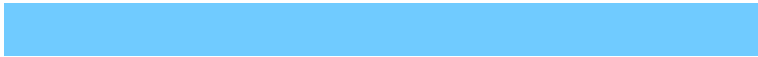
53.3766, 0.2282, 0.2643



53.3766, 0.4071, 0.3507

Square

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



53.3766, 0.2282, 0.2643



53.3766, 0.3379, 0.2797



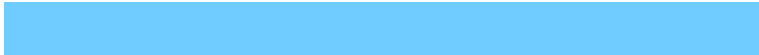
53.3766, 0.4037, 0.3870



53.3766, 0.2834, 0.3871

Rectangle

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



53.3766, 0.2282, 0.2643



53.3766, 0.2745, 0.2542



53.3766, 0.4037, 0.3870



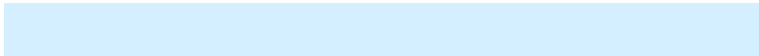
53.3766, 0.3463, 0.4164

Sweetspot

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



53.3777, 0.2282, 0.2643



83.0397, 0.2862, 0.3125



77.5724, 0.2828, 0.4481



17.3814, 0.2830, 0.3104



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.



53.3777, 0.2282, 0.2643



47.2048, 0.2151, 0.2490



27.5541, 0.2088, 0.1734



19.3058, 0.2980, 0.3202



17.6250, 0.1903, 0.2050



1.9240, 0.1947, 0.2207

Inverse Universe

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



37.1536, 0.3716, 0.2388



31.4695, 0.3884, 0.2262



81.0163, 0.4046, 0.4462



18.1817, 0.3194, 0.3140



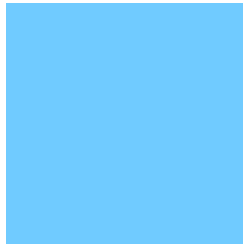
12.5072, 0.4396, 0.2195



1.2388, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 53.3766, 0.2282, 0.2643 looks on a white background.

Color Contrast Check

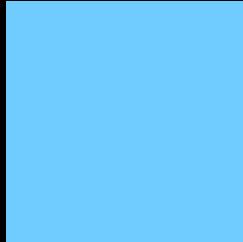
Large Text (above 18pt) WCAG AA × Fail

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 53.3766, 0.2282, 0.2643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

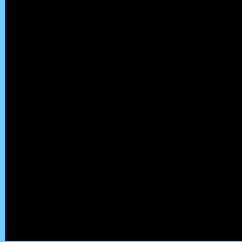
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

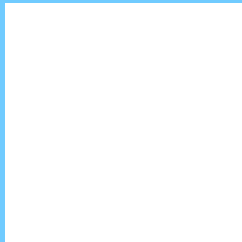
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3766, 0.2282, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 53.3766, 0.2282, 0.2643.



This preview shows how white text looks on a background with the Yxy color 53.3766, 0.2282, 0.2643.

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

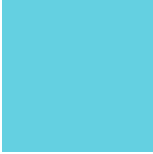
53.3766, 0.2282, 0.2643

Protanopia

52.8845, 0.2664, 0.2645

Deuteranopia

52.7292, 0.2585, 0.2528



Tritanopia

53.2573, 0.2380, 0.3061

Trichromacy



Original Color

53.3766, 0.2282, 0.2643

Protanomaly

52.7398, 0.2499, 0.2639

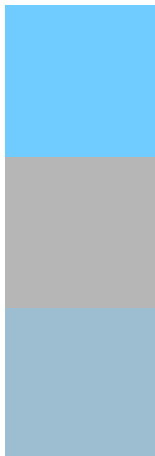
Deuteranomaly

52.4790, 0.2455, 0.2562

Tritanomaly

53.1418, 0.2340, 0.2897

Monochromacy



Original Color

53.3766, 0.2282, 0.2643

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.5985, 0.2742, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3766, 0.2282, 0.2643 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(112, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 203, 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(112, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.3766, 0.2282, 0.2643 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(112, 203, 255) }
```

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

```
.border{ border-color:rgb(112, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3766, 0.2282, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 203, 255) }
```

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

```
.background{ background-color: rgb(112,  
203, 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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