

Converting Colors

$Yxy(53.3672, 0.2265, 0.2648)$

Have a look what the booklet for
Yxy(53.3672, 0.2265, 0.2648)
contains.

Yxy(53.5315, 0.2265, 0.2653)	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(53.5315, 0.2265, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	6BCCFF
RGB	107, 204, 255
RGB Percent	42%, 80%, 100%
CMY	0.5806, 0.2000, 0.0000
CMYK	0.58, 0.20, 0.00, 0.00
HSL	201°, 100%, 71%
HSV	201°, 58%, 100%
XYZ	45.7025, 53.5315, 102.5432
YIQ	180.8110, -74.1830, -4.7030

Conversions

Conversions Part 2

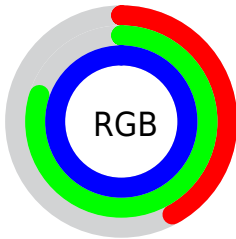
Format	Color
R _{YB}	107, 166, 255
Decimal	7064831
CIE Lab	78.19, -14.27, -33.65
CIE LCh	78, 36.547, 247.024
Yxy	53.5315, 0.2265, 0.2653
Android (android.graphics.Color)	4285254911 (0xFF6BCCFF)
YUV	180.8110, 36.5752, -64.7322
Hunter-Lab	73.1652, -16.5394, -31.8810

Details

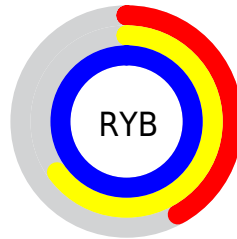
The Yxy color **53.5315, 0.2265, 0.2653** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.7526, 0.4568, 0.3807**, and the grayscale version is **45.9234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **26.1970, 0.2062, 0.2489** is the 20% darker color. If you saturate the color by 10%, you get **48.1210, 0.2150, 0.2521**, and if you desaturate by 10%, it is **59.6452, 0.2396, 0.2782**.

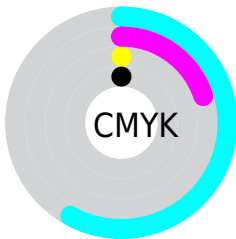
Distribution



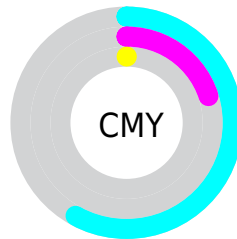
- Red (42%)
- Green (80%)
- Blue (100%)



- Red (42%)
- Yellow (65%)
- Blue (100%)



- Cyan (58%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5315, 0.2265, 0.2653 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 53.5315, 0.2265, 0.2653 by changing the saturation by 10% instead.

■ 53.5315, 0.2265,
0.2653

■ 53.5315, 0.2265,
0.2653

400.3209, 0.2669,
0.2965

■ 38.2272, 0.2173,
0.2579

■ 95.3860, 0.2405,
0.2764

■ 26.1591, 0.2060,
0.2486

■ 122.7050, 0.2460,
0.2806

■ 16.9427, 0.1919,
0.2367

■ 154.7978, 0.2507,
0.2842

■ 10.1936, 0.1738,
0.2209

192.0486, 0.2547,
0.2874

■ 5.5275, 0.1500,
0.1994

234.8420, 0.2583,
0.2901

■ 2.5600, 0.1183,
0.1689

283.5622, 0.2615,

■ 0.9066, 0.0709,

0.2925

0.1252

338.5937, 0.2643,
0.2946

0.0000, 0.0000,
0.0000

53.5315, 0.2265,
0.2653

53.5315, 0.2265,
0.2653

48.1210, 0.2150,
0.2521

59.6452, 0.2396,
0.2782

43.3645, 0.2054,
0.2387

66.5001, 0.2539,
0.2904

39.2091, 0.1980,
0.2253

74.1342, 0.2690,
0.3018

35.5830, 0.1925,
0.2123

82.5817, 0.2846,
0.3123

34.9219, 0.1916,
0.2098

91.8743, 0.3002,
0.3219

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.



53.5315, 0.2266, 0.2981



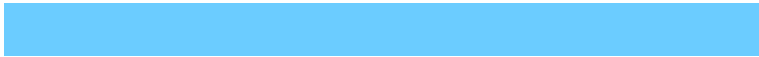
53.5315, 0.2265, 0.2653



53.5315, 0.2470, 0.2515

Triad

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



53.5315, 0.2265, 0.2653



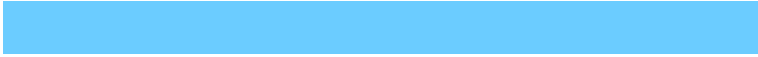
53.5315, 0.3804, 0.3096



53.5315, 0.3343, 0.4158

Complementary

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



53.5315, 0.2265, 0.2653



46.7526, 0.4568, 0.3807

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.



53.5315, 0.3784, 0.4116



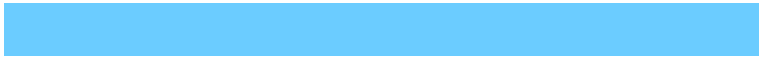
53.5315, 0.2265, 0.2653



53.5315, 0.4073, 0.3480

Square

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



53.5315, 0.2265, 0.2653



53.5315, 0.3345, 0.2771



53.5315, 0.4060, 0.3851



53.5315, 0.2865, 0.3907

Rectangle

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



53.5315, 0.2265, 0.2653



53.5315, 0.2710, 0.2528



53.5315, 0.4060, 0.3851



53.5315, 0.3501, 0.4175

Sweetspot

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



53.5325, 0.2265, 0.2653



83.5264, 0.2862, 0.3134



77.0528, 0.2834, 0.4564



17.4967, 0.2831, 0.3114



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.



53.5325, 0.2265, 0.2653



47.1487, 0.2130, 0.2495



26.7426, 0.2056, 0.1702



19.3662, 0.2980, 0.3206



18.5367, 0.1922, 0.2119



2.0087, 0.1963, 0.2268

Inverse Universe

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



36.1242, 0.3712, 0.2337



30.3717, 0.3888, 0.2205



79.0947, 0.4090, 0.4476



18.1878, 0.3191, 0.3135



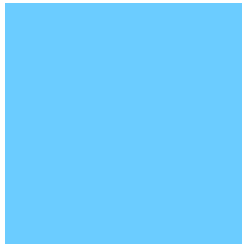
12.5993, 0.4320, 0.2154



1.2473, 0.4160, 0.2065

Previews

White Background



This preview shows how the Yxy color 53.5315, 0.2265, 0.2653 looks on a white background.

Color Contrast Check

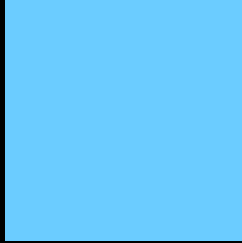
Large Text (above 18pt) WCAG AA × Fail

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 53.5315, 0.2265, 0.2653 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

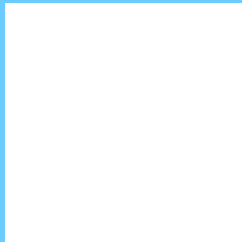
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.5315, 0.2265, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 53.5315, 0.2265, 0.2653.

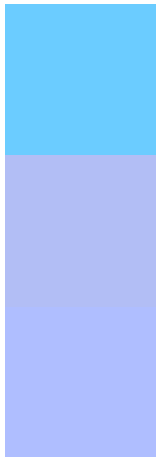


This preview shows how white text looks on a background with the Yxy color 53.5315, 0.2265, 0.2653.

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

53.5315, 0.2265, 0.2653

Protanopia

52.8845, 0.2664, 0.2645

Deuteranopia

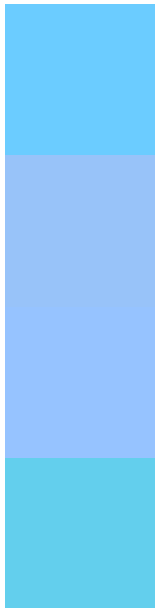
53.1609, 0.2587, 0.2540



Tritanopia

53.5248, 0.2359, 0.3061

Trichromacy



Original Color

53.5315, 0.2265, 0.2653

Protanomaly

52.5452, 0.2487, 0.2637

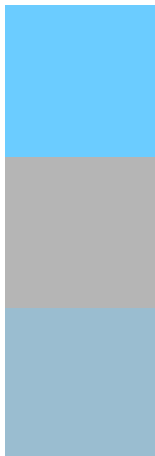
Deuteranomaly

52.7342, 0.2446, 0.2572

Tritanomaly

53.3927, 0.2319, 0.2897

Monochromacy



Original Color

53.5315, 0.2265, 0.2653

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8193, 0.2727, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5315, 0.2265, 0.2653 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(107, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 204, 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(107, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.5315, 0.2265, 0.2653 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(107, 204, 255) }
```

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

```
.border{ border-color:rgb(107, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5315, 0.2265, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 204, 255) }
```

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

```
.background{ background-color: rgb(107,  
204, 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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