

Converting Colors

$Yxy(53.8047, 0.2359, 0.2685)$

Have a look what the booklet for
Yxy(53.8047, 0.2359, 0.2685)
contains.

Yxy(53.6417, 0.2358, 0.2683)	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(53.6417, 0.2358, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	7ECAFB
RGB	126, 202, 251
RGB Percent	49%, 79%, 98%
CMY	0.5057, 0.2079, 0.0156
CMYK	0.50, 0.20, 0.00, 0.02
HSL	204°, 94%, 74%
HSV	204°, 50%, 98%
XYZ	47.1439, 53.6417, 99.1462
YIQ	184.8620, -61.0250, -0.8730

Conversions

Conversions Part 2

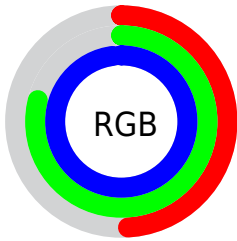
Format	Color
R _Y B	126, 173, 251
Decimal	8309499
CIE Lab	78.25, -10.47, -31.35
CIE LCh	78, 33.049, 251.532
Yxy	53.6417, 0.2358, 0.2683
Android (android.graphics.Color)	4286499579 (0xFF7ECAFB)
YUV	184.8620, 32.6060, -51.6220
Hunter-Lab	73.2405, -13.2728, -28.9929

Details

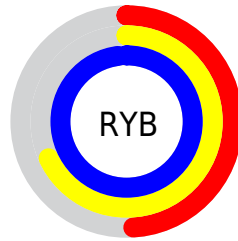
The Yxy color **53.6417, 0.2358, 0.2683** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.7073, 0.4255, 0.3807**, and the grayscale version is **48.2834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.1987, 0.2172, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **47.4937, 0.2223, 0.2534**, and if you desaturate by 10%, it is **60.5672, 0.2505, 0.2825**.

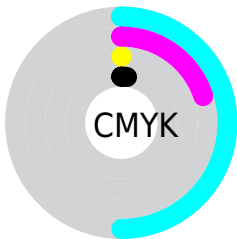
Distribution



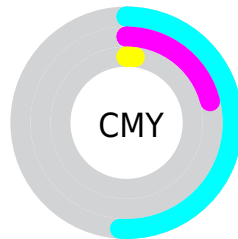
- Red (49%)
- Green (79%)
- Blue (98%)



- Red (49%)
- Yellow (68%)
- Blue (98%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (51%)
- Magenta (21%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6417, 0.2358, 0.2683 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 53.6417, 0.2358, 0.2683 by changing the saturation by 10% instead.

■ 53.6417, 0.2358,
0.2683

■ 53.6417, 0.2358,
0.2683

■ 400.7422, 0.2720,
0.2979

■ 38.3153, 0.2275,
0.2613

■ 95.5480, 0.2484,
0.2788

■ 26.2275, 0.2172,
0.2525

■ 122.8966, 0.2533,
0.2828

■ 16.9939, 0.2042,
0.2412

■ 155.0214, 0.2576,
0.2862

■ 10.2301, 0.1874,
0.2263

■ 192.3068, 0.2612,
0.2892

■ 5.5518, 0.1651,
0.2058

■ 235.1372, 0.2644,
0.2918

■ 2.5745, 0.1345,
0.1764

■ 283.8970, 0.2673,

■ 0.9139, 0.0894,

0.2940

0.1333

338.9705, 0.2698,
0.2961

0.0000, 0.0000,
0.0000

53.6417, 0.2358,
0.2683

53.6417, 0.2358,
0.2683

47.4937, 0.2223,
0.2534

60.5672, 0.2505,
0.2825

42.0754, 0.2104,
0.2381

68.3023, 0.2659,
0.2958

37.3413, 0.2004,
0.2227

76.8841, 0.2817,
0.3080

33.2360, 0.1927,
0.2075

86.3449, 0.2975,
0.3192

29.6735, 0.1869,
0.1928

96.7156, 0.3130,
0.3292

■ 29.6002, 0.1868,
0.1924

■ 99.7459, 0.3150,
0.3328

Harmonies

Analogous

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



53.6417, 0.2330, 0.2960



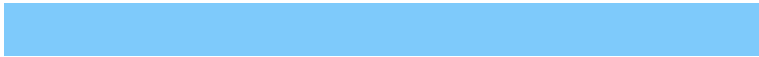
53.6417, 0.2358, 0.2683



53.6417, 0.2574, 0.2580

Triad

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



53.6417, 0.2358, 0.2683



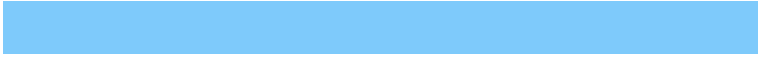
53.6417, 0.3789, 0.3167



53.6417, 0.3261, 0.4052

Complementary

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



53.6417, 0.2358, 0.2683



52.7073, 0.4255, 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.



53.6417, 0.3672, 0.4059



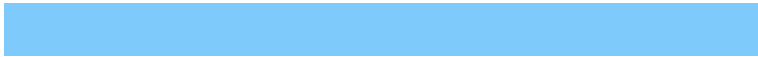
53.6417, 0.2358, 0.2683



53.6417, 0.3996, 0.3521

Square

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



53.6417, 0.2358, 0.2683



53.6417, 0.3393, 0.2856



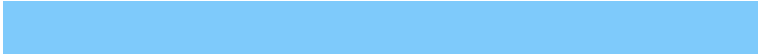
53.6417, 0.3948, 0.3849



53.6417, 0.2831, 0.3790

Rectangle

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



53.6417, 0.2358, 0.2683



53.6417, 0.2808, 0.2607



53.6417, 0.3948, 0.3849



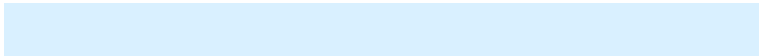
53.6417, 0.3406, 0.4083

Sweetspot

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



53.6437, 0.2358, 0.2683



84.2509, 0.2893, 0.3135



76.4966, 0.2829, 0.4265



17.5957, 0.2859, 0.3111



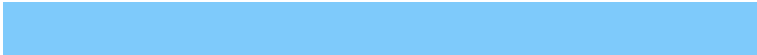
0.0000, 0.0000, 0.0000



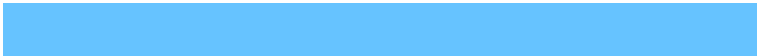
21.4041, 0.3127, 0.3290

Same Dimension

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



53.6437, 0.2358, 0.2683



49.0667, 0.2220, 0.2530



30.3465, 0.2203, 0.1884



18.3987, 0.2980, 0.3195



15.8491, 0.1875, 0.1949



1.6742, 0.1924, 0.2126

Inverse Universe

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



39.7107, 0.3663, 0.2512



34.7020, 0.3827, 0.2378



82.2610, 0.3926, 0.4383



17.4025, 0.3198, 0.3147



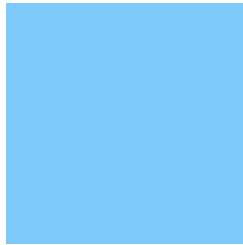
12.0109, 0.4511, 0.2259



1.1332, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 53.6417, 0.2358, 0.2683 looks on a white background.

Color Contrast Check

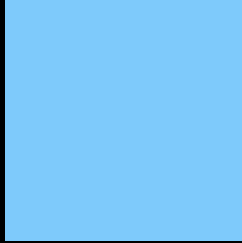
Large Text (above 18pt) WCAG AA × Fail

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 53.6417, 0.2358, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

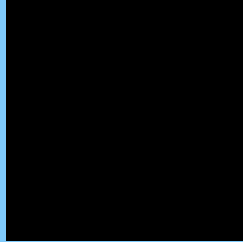
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

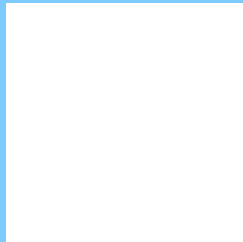
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.6417, 0.2358, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 53.6417, 0.2358, 0.2683.



This preview shows how white text looks on a background with the Yxy color 53.6417, 0.2358, 0.2683.

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

53.6417, 0.2358, 0.2683

Protanopia

53.4360, 0.2690, 0.2681

Deuteranopia

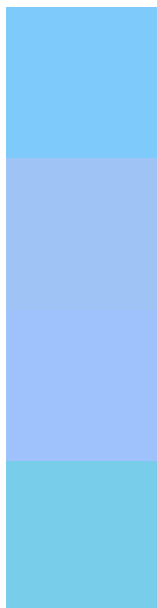
53.4476, 0.2612, 0.2553



Tritanopia

53.7894, 0.2456, 0.3064

Trichromacy



Original Color

53.6417, 0.2358, 0.2683

Protanomaly

53.1576, 0.2550, 0.2677

Deuteranomaly

53.0464, 0.2505, 0.2590

Tritanomaly

53.5962, 0.2416, 0.2915

Monochromacy



Original Color

53.6417, 0.2358, 0.2683

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.7576, 0.2793, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6417, 0.2358, 0.2683 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(126, 202, 251)` looks like.

```
.text, #text, p{  
    color:rgb(126, 202, 251)  
}
```

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(126, 202, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 202, 251) }
```

Border

The CSS property to change the border of an element to Yxy 53.6417, 0.2358, 0.2683 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(126, 202, 251) }
```

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

```
.border{ border-color:rgb(126, 202, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 202, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 202, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 202, 251);  
box-shadow:4px 4px 4px 4px rgb(126, 202,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6417, 0.2358, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 202, 251) }
```

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

```
.background{ background-color: rgb(126,  
202, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor