

Converting Colors

$Y_{xy}(43.6590, 0.2272, 0.2605)$

Have a look what the booklet for
Yxy(43.6590, 0.2272, 0.2605)
contains.

Yxy(43.6376, 0.2274, 0.2605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.6376, 0.2274, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	67B9EC
RGB	103, 185, 236
RGB Percent	40%, 73%, 93%
CMY	0.5957, 0.2746, 0.0744
CMYK	0.56, 0.22, 0.00, 0.07
HSL	203°, 78%, 66%
HSV	203°, 56%, 93%
XYZ	38.0929, 43.6376, 85.7843
YIQ	166.2960, -65.2430, -1.5230

Conversions

Conversions Part 2

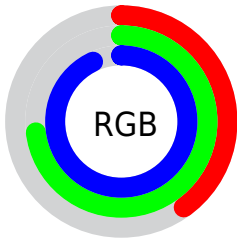
Format	Color
RYB	103, 154, 236
Decimal	6797804
CIELab	71.99, -10.61, -33.02
CIELCh	72, 34.682, 252.193
Yxy	43.6376, 0.2274, 0.2605
Android (android.graphics.Color)	4284987884 (0xFF67B9EC)
YUV	166.2960, 34.3641, -55.5106
Hunter-Lab	66.0588, -12.6706, -30.7532

Details

The Yxy color **43.6376, 0.2274, 0.2605** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.9723, 0.4461, 0.3851**, and the grayscale version is **38.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8120, 0.2592, 0.3132**, and **20.1211, 0.2052, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **38.7624, 0.2150, 0.2457**, and if you desaturate by 10%, it is **49.1516, 0.2412, 0.2748**.

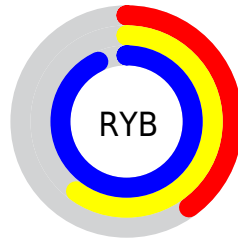
Distribution



Red (40%)

Green (73%)

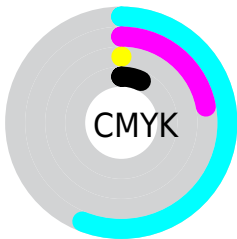
Blue (93%)



Red (40%)

Yellow (60%)

Blue (93%)

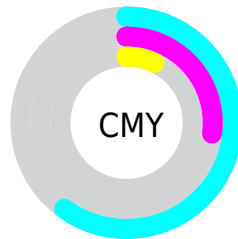


Cyan (56%)

Magenta (22%)

Yellow (0%)

Black (7%)



Cyan (60%)

Magenta (27%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6376, 0.2274, 0.2605 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 43.6376, 0.2274, 0.2605 by changing the saturation by 10% instead.

■ 43.6376, 0.2274,
0.2605

■ 43.6376, 0.2274,
0.2605

■ 361.2274, 0.2688,
0.2949

■ 30.3857, 0.2176,
0.2521

■ 80.6721, 0.2421,
0.2729

■ 20.1315, 0.2054,
0.2413

■ 105.2236, 0.2477,
0.2776

■ 12.4907, 0.1898,
0.2274

■ 134.3103, 0.2525,
0.2816

■ 7.0788, 0.1693,
0.2086

■ 168.3168, 0.2567,
0.2850

■ 3.5114, 0.1418,
0.1824

■ 207.6273, 0.2603,
0.2880

■ 1.4042, 0.1042,
0.1444

■ 252.6263, 0.2635,

■ 0.2198, 0.0000,

0.2906

0.0580

303.6982, 0.2663,
0.2929

0.0000, 0.0000,
0.0000

43.6376, 0.2274,
0.2605

43.6376, 0.2274,
0.2605

38.7624, 0.2150,
0.2457

49.1516, 0.2412,
0.2748

34.4825, 0.2045,
0.2307

55.3340, 0.2561,
0.2883

30.7553, 0.1960,
0.2158


62.2179, 0.2716,
0.3009

27.5262, 0.1898,
0.2012


69.8323, 0.2873,
0.3124

26.4311, 0.1878,
0.1959

78.2044, 0.3030,
0.3229

 87.3596, 0.3183,
0.3324

 94.7088, 0.3244,
0.3411

 98.8371, 0.3238,
0.3473

Harmonies

Analogous

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



43.6376, 0.2238, 0.2906



43.6376, 0.2274, 0.2605



43.6376, 0.2516, 0.2500

Triad

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



43.6376, 0.2274, 0.2605



43.6376, 0.3880, 0.3157



43.6376, 0.3261, 0.4150

Complementary

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



43.6376, 0.2274, 0.2605



41.9723, 0.4461, 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.



43.6376, 0.3725, 0.4156



43.6376, 0.2274, 0.2605



43.6376, 0.4107, 0.3549

Square

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



43.6376, 0.2274, 0.2605



43.6376, 0.3435, 0.2813



43.6376, 0.4043, 0.3916



43.6376, 0.2782, 0.3847

Rectangle

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



43.6376, 0.2274, 0.2605



43.6376, 0.2777, 0.2533



43.6376, 0.4043, 0.3916



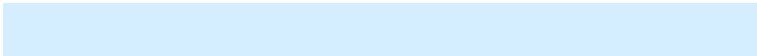
43.6376, 0.3424, 0.4185

Sweetspot

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



43.6392, 0.2274, 0.2605



82.5219, 0.2861, 0.3116



65.2253, 0.2806, 0.4417



17.2587, 0.2829, 0.3093



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.



43.6392, 0.2274, 0.2605



45.1446, 0.2128, 0.2428



22.0477, 0.2075, 0.1676



16.0942, 0.2981, 0.3197



14.8251, 0.1884, 0.1983



1.3493, 0.1940, 0.2183

Inverse Universe

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



31.0590, 0.3749, 0.2415



30.8837, 0.3946, 0.2284



70.2719, 0.4020, 0.4500



15.2101, 0.3197, 0.3146



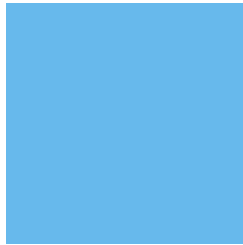
10.9894, 0.4473, 0.2238



0.8816, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 43.6376, 0.2274, 0.2605 looks on a white background.

Color Contrast Check

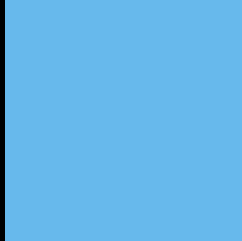
Large Text (above 18pt) WCAG AA × Fail

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 43.6376, 0.2274, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

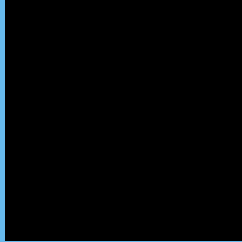
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

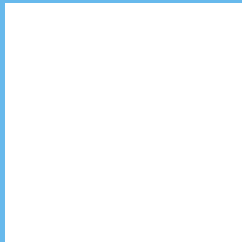
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6376, 0.2274, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 43.6376, 0.2274, 0.2605.



This preview shows how white text looks on a background with the Yxy color 43.6376, 0.2274, 0.2605.

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

43.6376, 0.2274, 0.2605

Protanopia

43.0103, 0.2634, 0.2604

Deuteranopia

43.2872, 0.2533, 0.2468



Tritanopia

43.5073, 0.2379, 0.3056

Trichromacy



Original Color

43.6376, 0.2274, 0.2605

Protanomaly

42.7329, 0.2481, 0.2598

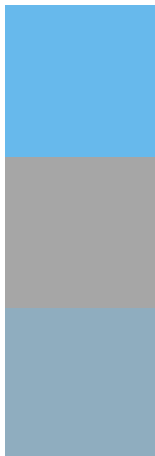
Deuteranomaly

42.9357, 0.2420, 0.2505

Tritanomaly

43.4091, 0.2336, 0.2879

Monochromacy



Original Color

43.6376, 0.2274, 0.2605

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.4884, 0.2740, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6376, 0.2274, 0.2605 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(103, 185, 236)` looks like.

```
.text, #text, p{  
    color:rgb(103, 185, 236)  
}
```

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(103, 185, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 185, 236) }
```

Border

The CSS property to change the border of an element to Yxy 43.6376, 0.2274, 0.2605 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(103, 185, 236) }
```

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

```
.border{ border-color:rgb(103, 185, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 185, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 185, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 185, 236);  
box-shadow:4px 4px 4px 4px rgb(103, 185,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6376, 0.2274, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 185, 236) }
```

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

```
.background{ background-color: rgb(103,  
185, 236) }
```

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