

Converting Colors

$Yxy(41.5889, 0.2126, 0.2621)$

Have a look what the booklet for
Yxy(41.5889, 0.2126, 0.2621)
contains.

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Color

Yxy(41.3933, 0.2124, 0.2614)

Conversions

Conversions Part 1

Format	Color
Hex	37B9E9
RGB	55, 185, 233
RGB Percent	22%, 73%, 91%
CMY	0.7844, 0.2745, 0.0862
CMYK	0.76, 0.21, 0.00, 0.09
HSL	196°, 80%, 56%
HSV	196°, 76%, 91%
XYZ	33.6340, 41.3933, 83.3250
YIQ	151.6020, -92.8880, -12.6320

Conversions

Conversions Part 2

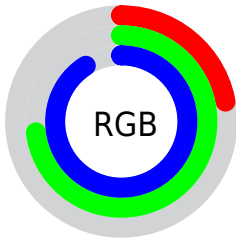
Format	Color
RYB	55, 130, 233
Decimal	3652073
CIELab	70.45, -18.97, -33.88
CIELCh	70, 38.835, 240.753
Yxy	41.3933, 0.2124, 0.2614
Android (android.graphics.Color)	4281842153 (0xFF37B9E9)
YUV	151.6020, 40.1292, -84.7200
Hunter-Lab	64.3376, -19.2757, -31.7514

Details

The Yxy color **41.3933, 0.2124, 0.2614** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **27.3061, 0.5343, 0.3726**, and the grayscale version is **31.0729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6426, 0.2439, 0.3125**, and **19.6769, 0.2013, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **38.3128, 0.2056, 0.2512**, and if you desaturate by 10%, it is **44.9032, 0.2212, 0.2716**.

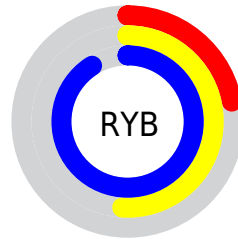
Distribution



Red (22%)

Green (73%)

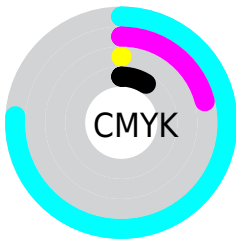
Blue (91%)



Red (22%)

Yellow (51%)

Blue (91%)

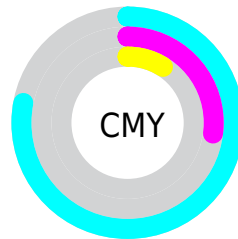


Cyan (76%)

Magenta (21%)

Yellow (0%)

Black (9%)



Cyan (78%)

Magenta (27%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3933, 0.2124, 0.2614 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 41.3933, 0.2124, 0.2614 by changing the saturation by 10% instead.

41.3933, 0.2124,
0.2614

41.3933, 0.2124,
0.2614

351.9617, 0.2610,
0.2962

28.6265, 0.2010,
0.2526

77.2806, 0.2296,
0.2742

18.7985, 0.1868,
0.2414

101.1699, 0.2362,
0.2789

11.5248, 0.1688,
0.2266

129.5355, 0.2418,
0.2830

6.4210, 0.1456,
0.2065

162.7618, 0.2467,
0.2864

3.1027, 0.1150,
0.1781

201.2331, 0.2510,
0.2894

1.1856, 0.0735,
0.1369

245.3340, 0.2547,

0.0499, 0.0000,

0.2919

0.0150

295.4487, 0.2580,
0.2942

0.0000, 0.0000,
0.0000

41.3933, 0.2124,
0.2614

41.3933, 0.2124,
0.2614

38.3128, 0.2056,
0.2512

44.9032, 0.2212,
0.2716

35.6076, 0.2008,
0.2411

48.8784, 0.2319,
0.2817

34.6973, 0.1993,
0.2375

53.3547, 0.2442,
0.2914

58.3628, 0.2578,
0.3006

63.9304, 0.2723,
0.3093

■ 70.0831, 0.2874,
0.3173

■ 76.8446, 0.3028,
0.3247

■ 84.2372, 0.3182,
0.3313

■ 90.3937, 0.3269,
0.3374

Harmonies

Analogous

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



41.3933, 0.2172, 0.3029



41.3933, 0.2124, 0.2614



41.3933, 0.2308, 0.2418

Triad

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



41.3933, 0.2124, 0.2614



41.3933, 0.3812, 0.2979



41.3933, 0.3483, 0.4319

Complementary

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



41.3933, 0.2124, 0.2614



27.3061, 0.5343, 0.3726

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.



41.3933, 0.3966, 0.4190



41.3933, 0.2124, 0.2614



41.3933, 0.4184, 0.3403

Square

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



41.3933, 0.2124, 0.2614



41.3933, 0.3253, 0.2636



41.3933, 0.4234, 0.3838



41.3933, 0.2929, 0.4102

Rectangle

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



41.3933, 0.2124, 0.2614



41.3933, 0.2551, 0.2407



41.3933, 0.4234, 0.3838



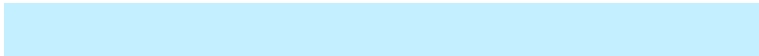
41.3933, 0.3659, 0.4310

Sweetspot

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



41.3948, 0.2124, 0.2614



80.8411, 0.2772, 0.3120



60.0719, 0.2863, 0.5190



16.7368, 0.2718, 0.3090



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.



41.3948, 0.2124, 0.2614



44.9491, 0.2025, 0.2451



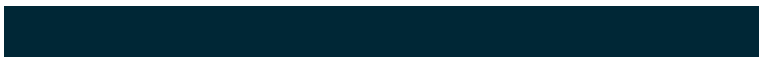
15.1592, 0.1790, 0.1322



16.3946, 0.2981, 0.3225



19.8989, 0.1998, 0.2391



1.7201, 0.2036, 0.2530

Inverse Universe

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



23.5617, 0.3789, 0.2041



25.5679, 0.3967, 0.1990



55.0757, 0.4436, 0.4606



15.2404, 0.3179, 0.3120



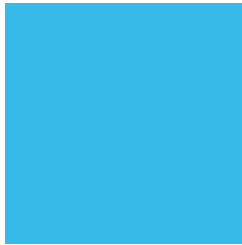
11.5016, 0.4032, 0.1995



0.9191, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 41.3933, 0.2124, 0.2614 looks on a white background.

Color Contrast Check

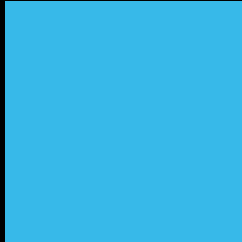
Large Text (above 18pt) WCAG AA × Fail

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 41.3933, 0.2124, 0.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

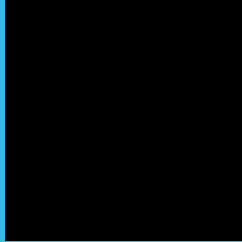
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

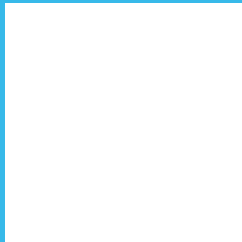
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3933, 0.2124, 0.2614

Background



This preview shows how black text looks on a background with the Yxy color 41.3933, 0.2124, 0.2614.



This preview shows how white text looks on a background with the Yxy color 41.3933, 0.2124, 0.2614.

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

41.3933, 0.2124, 0.2614

Protanopia

40.7645, 0.2637, 0.2613

Deuteranopia

40.9744, 0.2491, 0.2427



Tritanopia

41.4168, 0.2200, 0.3059

Trichromacy



Original Color

41.3933, 0.2124, 0.2614

Protanomaly

40.0893, 0.2384, 0.2607

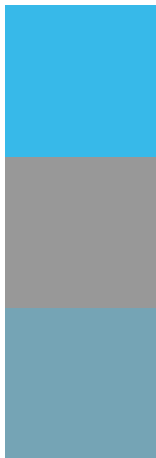
Deuteranomaly

40.3609, 0.2302, 0.2475

Tritanomaly

41.2301, 0.2167, 0.2887

Monochromacy



Original Color

41.3933, 0.2124, 0.2614

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.6690, 0.2601, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3933, 0.2124, 0.2614 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(55, 185, 233)` looks like.

```
.text, #text, p{  
    color:rgb(55, 185, 233)  
}
```

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(55, 185, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 185, 233) }
```

Border

The CSS property to change the border of an element to Yxy 41.3933, 0.2124, 0.2614 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(55, 185, 233) }
```

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

```
.border{ border-color:rgb(55, 185, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 185, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 185, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 185, 233);  
box-shadow:4px 4px 4px 4px rgb(55, 185,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3933, 0.2124, 0.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 185, 233) }
```

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

```
.background{ background-color: rgb(55, 185,  
233) }
```

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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