

Converting Colors

$Y_{xy}(41.5985, 0.2114, 0.2504)$

Have a look what the booklet for
Yxy(41.5985, 0.2114, 0.2504)
contains.

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Color

Yxy(41.7557, 0.2116, 0.2510)

Conversions

Conversions Part 1

Format	Color
Hex	41B8F1
RGB	65, 184, 241
RGB Percent	25%, 72%, 95%
CMY	0.7445, 0.2785, 0.0550
CMYK	0.73, 0.24, 0.00, 0.06
HSL	199°, 86%, 60%
HSV	199°, 73%, 94%
XYZ	35.2012, 41.7557, 89.4005
YIQ	154.9170, -89.2210, -7.5010

Conversions

Conversions Part 2

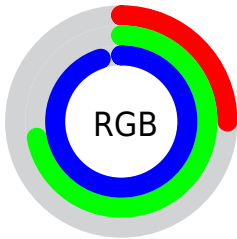
Format	Color
RYB	65, 136, 241
Decimal	4307185
CIELab	70.70, -14.65, -37.79
CIELCh	71, 40.532, 248.814
Yxy	41.7557, 0.2116, 0.2510
Android (android.graphics.Color)	4282497265 (0xFF41B8F1)
YUV	154.9170, 42.4389, -78.8572
Hunter-Lab	64.6187, -15.8442, -36.7952

Details

The Yxy color **41.7557, 0.2116, 0.2510** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **33.0310, 0.5122, 0.3827**, and the grayscale version is **32.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6085, 0.2465, 0.3115**, and **19.7354, 0.1975, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **37.9453, 0.2033, 0.2385**, and if you desaturate by 10%, it is **46.0988, 0.2219, 0.2635**.

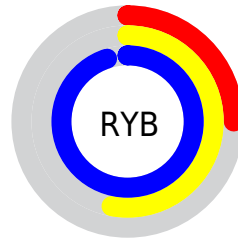
Distribution



Red (25%)

Green (72%)

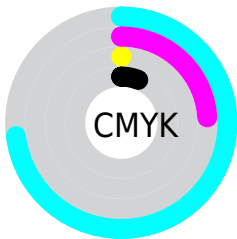
Blue (95%)



Red (25%)

Yellow (53%)

Blue (95%)

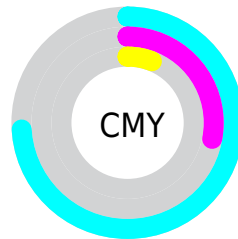


Cyan (73%)

Magenta (24%)

Yellow (0%)

Black (6%)



Cyan (74%)

Magenta (28%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7557, 0.2116, 0.2510 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 41.7557, 0.2116, 0.2510 by changing the saturation by 10% instead.

41.7557, 0.2116,
0.2510

41.7557, 0.2116,
0.2510

353.4692, 0.2604,
0.2904

28.9100, 0.2002,
0.2413

77.8298, 0.2288,
0.2653

19.0128, 0.1861,
0.2290

101.8269, 0.2354,
0.2707

11.6795, 0.1683,
0.2131

130.3101, 0.2411,
0.2752

6.5258, 0.1454,
0.1919

163.6636, 0.2460,
0.2791

3.1674, 0.1155,
0.1627

202.2719, 0.2503,
0.2825

1.2197, 0.0768,
0.1219

246.5193, 0.2541,

0.0777, 0.0000,

0.2855

0.0190

296.7903, 0.2574,
0.2881

0.0000, 0.0000,
0.0000

41.7557, 0.2116,
0.2510

41.7557, 0.2116,
0.2510

37.9453, 0.2033,
0.2385

46.0988, 0.2219,
0.2635

34.6124, 0.1971,
0.2261

51.0128, 0.2339,
0.2756

32.5008, 0.1938,
0.2176

56.5361, 0.2474,
0.2873

62.7019, 0.2619,
0.2984

69.5407, 0.2771,
0.3087

■ 77.0805, 0.2926,
0.3181

■ 85.3476, 0.3082,
0.3266

■ 93.8061, 0.3215,
0.3343

■ 98.6692, 0.3209,
0.3418

Harmonies

Analogous

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



41.7557, 0.2100, 0.2879



41.7557, 0.2116, 0.2510



41.7557, 0.2367, 0.2371

Triad

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



41.7557, 0.2116, 0.2510



41.7557, 0.3971, 0.3078



41.7557, 0.3340, 0.4341

Complementary

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



41.7557, 0.2116, 0.2510



33.0310, 0.5122, 0.3827

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.



41.7557, 0.3878, 0.4290



41.7557, 0.2116, 0.2510



41.7557, 0.4276, 0.3527

Square

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



41.7557, 0.2116, 0.2510



41.7557, 0.3420, 0.2695



41.7557, 0.4231, 0.3967



41.7557, 0.2773, 0.4017

Rectangle

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



41.7557, 0.2116, 0.2510



41.7557, 0.2655, 0.2397



41.7557, 0.4231, 0.3967



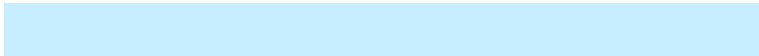
41.7557, 0.3531, 0.4364

Sweetspot

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



41.7572, 0.2116, 0.2510



79.8124, 0.2785, 0.3095



65.3993, 0.2826, 0.4985



16.6096, 0.2743, 0.3068



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.



41.7572, 0.2116, 0.2510



41.0751, 0.1998, 0.2319



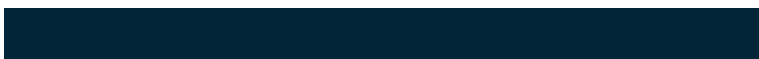
16.0998, 0.1810, 0.1303



17.0151, 0.2981, 0.3212



17.8844, 0.1943, 0.2195



1.6676, 0.1988, 0.2357

Inverse Universe

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



25.9548, 0.3880, 0.2151



25.6081, 0.4097, 0.2090



64.5521, 0.4319, 0.4649



15.9392, 0.3188, 0.3132



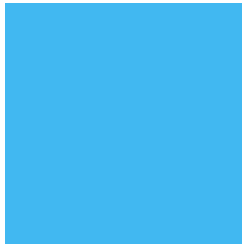
11.5988, 0.4237, 0.2108



0.9831, 0.4068, 0.2014

Previews

White Background



This preview shows how the Yxy color 41.7557, 0.2116, 0.2510 looks on a white background.

Color Contrast Check

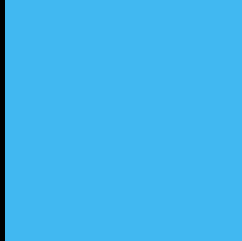
Large Text (above 18pt) WCAG AA × Fail

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 41.7557, 0.2116, 0.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

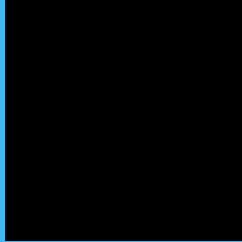
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

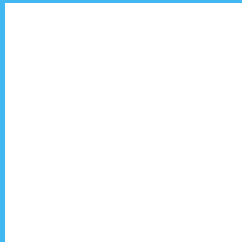
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7557, 0.2116, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 41.7557, 0.2116, 0.2510.

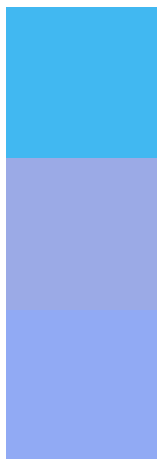


This preview shows how white text looks on a background with the Yxy color 41.7557, 0.2116, 0.2510.

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

41.7557, 0.2116, 0.2510

Protanopia

41.4312, 0.2568, 0.2523

Deuteranopia

41.3008, 0.2422, 0.2360



Tritanopia

41.6232, 0.2211, 0.3046

Trichromacy



Original Color

41.7557, 0.2116, 0.2510

Protanomaly

40.7380, 0.2349, 0.2505

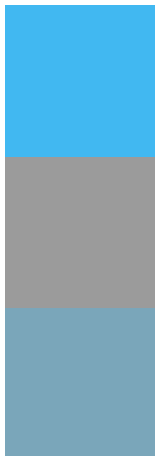
Deuteranomaly

40.8440, 0.2275, 0.2400

Tritanomaly

41.6388, 0.2169, 0.2835

Monochromacy



Original Color

41.7557, 0.2116, 0.2510

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.9552, 0.2607, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7557, 0.2116, 0.2510 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(65, 184, 241)` looks like.

```
.text, #text, p{  
    color:rgb(65, 184, 241)  
}
```

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(65, 184, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 184, 241) }
```

Border

The CSS property to change the border of an element to Yxy 41.7557, 0.2116, 0.2510 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(65, 184, 241) }
```

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

```
.border{ border-color:rgb(65, 184, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 184, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 184, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 184, 241);  
box-shadow:4px 4px 4px 4px rgb(65, 184,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7557, 0.2116, 0.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 184, 241) }
```

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

```
.background{ background-color: rgb(65, 184,  
241) }
```

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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