

Converting Colors

$Y_{xy}(41.7425, 0.2234, 0.2631)$

Have a look what the booklet for
Yxy(41.7425, 0.2234, 0.2631)
contains.

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Color

Yxy(41.7603, 0.2231, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	59B7E7
RGB	89, 183, 231
RGB Percent	35%, 72%, 91%
CMY	0.6508, 0.2824, 0.0941
CMYK	0.61, 0.21, 0.00, 0.09
HSL	200°, 75%, 63%
HSV	200°, 61%, 91%
XYZ	35.4788, 41.7603, 81.7872
YIQ	160.3660, -71.4320, -5.0000

Conversions

Conversions Part 2

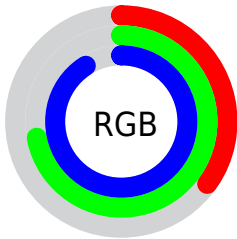
Format	Color
R _Y B	89, 146, 231
Decimal	5879783
CIE Lab	70.71, -13.72, -32.31
CIE LCh	71, 35.105, 246.993
Yxy	41.7603, 0.2231, 0.2626
Android (android.graphics.Color)	4284069863 (0xFF59B7E7)
YUV	160.3660, 34.8226, -62.5880
Hunter-Lab	64.6222, -15.0891, -29.8031

Details

The Yxy color **41.7603, 0.2231, 0.2626** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **35.6117, 0.4682, 0.3815**, and the grayscale version is **35.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4370, 0.2532, 0.3106**, and **19.0604, 0.2011, 0.2438** is the 20% darker color. If you saturate the color by 10%, you get **37.6591, 0.2123, 0.2496**, and if you desaturate by 10%, it is **46.4017, 0.2356, 0.2753**.

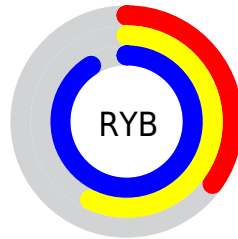
Distribution



Red (35%)

Green (72%)

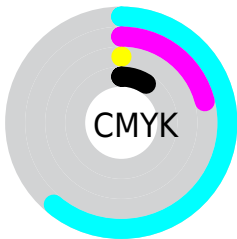
Blue (91%)



Red (35%)

Yellow (57%)

Blue (91%)

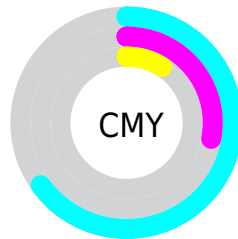


Cyan (61%)

Magenta (21%)

Yellow (0%)

Black (9%)



Cyan (65%)

Magenta (28%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7603, 0.2231, 0.2626 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 41.7603, 0.2231, 0.2626 by changing the saturation by 10% instead.

■ 41.7603, 0.2231,
0.2626

■ 41.7603, 0.2231,
0.2626

■ 353.4883, 0.2668,
0.2964

■ 28.9136, 0.2127,
0.2541

■ 77.8367, 0.2386,
0.2749

■ 19.0155, 0.1997,
0.2433

■ 101.8353, 0.2446,
0.2796

■ 11.6815, 0.1831,
0.2292

■ 130.3199, 0.2496,
0.2835

■ 6.5272, 0.1614,
0.2099

■ 163.6751, 0.2540,
0.2868

■ 3.1682, 0.1322,
0.1826

■ 202.2851, 0.2578,
0.2897

■ 1.2202, 0.0925,
0.1426

■ 246.5344, 0.2612,

■ 0.0781, 0.0000,

0.2922

0.0245

296.8073, 0.2642,
0.2945

0.0000, 0.0000,
0.0000

41.7603, 0.2231,
0.2626

41.7603, 0.2231,
0.2626

37.6591, 0.2123,
0.2496

46.4017, 0.2356,
0.2753

34.0560, 0.2035,
0.2365

51.6120, 0.2494,
0.2874

30.9077, 0.1968,
0.2236

57.4225, 0.2641,
0.2988

28.5170, 0.1924,
0.2127

63.8607, 0.2795,
0.3094

70.9518, 0.2950,
0.3190

■ 78.7197, 0.3105,
0.3278

■ 87.1867, 0.3257,
0.3357

■ 92.6248, 0.3278,
0.3432

■ 97.4630, 0.3270,
0.3506

Harmonies

Analogous

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



41.7603, 0.2231, 0.2967



41.7603, 0.2231, 0.2626



41.7603, 0.2443, 0.2485

Triad

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



41.7603, 0.2231, 0.2626



41.7603, 0.3833, 0.3086



41.7603, 0.3351, 0.4198

Complementary

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



41.7603, 0.2231, 0.2626



35.6117, 0.4682, 0.3815

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.



41.7603, 0.3811, 0.4150



41.7603, 0.2231, 0.2626



41.7603, 0.4114, 0.3484

Square

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



41.7603, 0.2231, 0.2626



41.7603, 0.3352, 0.2750



41.7603, 0.4099, 0.3871



41.7603, 0.2853, 0.3936

Rectangle

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



41.7603, 0.2231, 0.2626



41.7603, 0.2691, 0.2498



41.7603, 0.4099, 0.3871



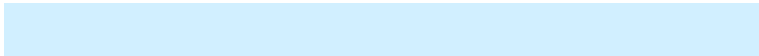
41.7603, 0.3516, 0.4215

Sweetspot

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



41.7618, 0.2231, 0.2626



82.8049, 0.2847, 0.3127



61.0626, 0.2827, 0.4644



17.1841, 0.2801, 0.3098



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.



41.7618, 0.2231, 0.2626



45.7373, 0.2095, 0.2458



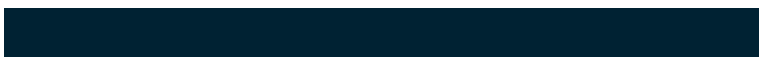
19.6385, 0.1999, 0.1608



15.4725, 0.2981, 0.3209



16.2262, 0.1930, 0.2148



1.3692, 0.1982, 0.2334

Inverse Universe

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



27.5585, 0.3745, 0.2289



28.9620, 0.3933, 0.2164



62.4985, 0.4137, 0.4524



14.5280, 0.3189, 0.3136



10.8358, 0.4289, 0.2136



0.8179, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 41.7603, 0.2231, 0.2626 looks on a white background.

Color Contrast Check

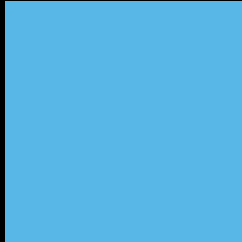
Large Text (above 18pt) WCAG AA × Fail

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 41.7603, 0.2231, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

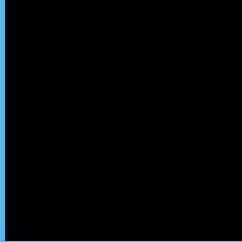
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

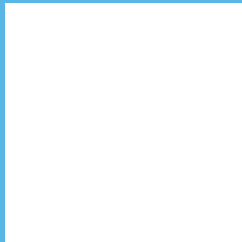
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7603, 0.2231, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 41.7603, 0.2231, 0.2626.

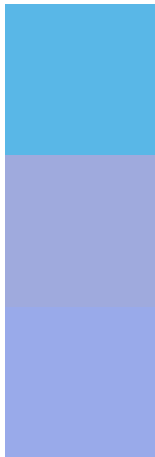


This preview shows how white text looks on a background with the Yxy color 41.7603, 0.2231, 0.2626.

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

41.7603, 0.2231, 0.2626

Protanopia

41.3408, 0.2653, 0.2629

Deuteranopia

41.4623, 0.2530, 0.2476



Tritanopia

41.8147, 0.2326, 0.3064

Trichromacy



Original Color

41.7603, 0.2231, 0.2626

Protanomaly

41.1645, 0.2467, 0.2621

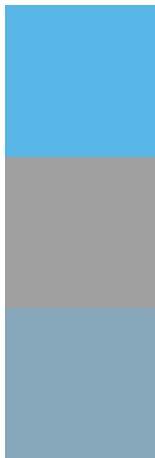
Deuteranomaly

41.2890, 0.2400, 0.2525

Tritanomaly

41.6712, 0.2291, 0.2896

Monochromacy



Original Color

41.7603, 0.2231, 0.2626

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.6188, 0.2700, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7603, 0.2231, 0.2626 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(89, 183, 231)` looks like.

```
.text, #text, p{  
    color:rgb(89, 183, 231)  
}
```

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(89, 183, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 183, 231) }
```

Border

The CSS property to change the border of an element to Yxy 41.7603, 0.2231, 0.2626 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(89, 183, 231) }
```

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

```
.border{ border-color:rgb(89, 183, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 183, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 183, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 183, 231);  
box-shadow:4px 4px 4px 4px rgb(89, 183,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7603, 0.2231, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 183, 231) }
```

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

```
.background{ background-color: rgb(89, 183,  
231) }
```

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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