

Converting Colors

$Yxy(41.0870, 0.2111, 0.2289)$

Have a look what the booklet for
Yxy(41.0870, 0.2111, 0.2289)
contains.

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Color

Yxy(41.0870, 0.2111, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	57B2FF
RGB	87, 178, 255
RGB Percent	34%, 70%, 100%
CMY	0.6591, 0.3019, 0.0001
CMYK	0.66, 0.30, 0.00, 0.00
HSL	207°, 100%, 67%
HSV	207°, 66%, 100%
XYZ	37.8919, 41.0870, 100.5187
YIQ	159.5690, -78.9530, 4.6550

Conversions

Conversions Part 2

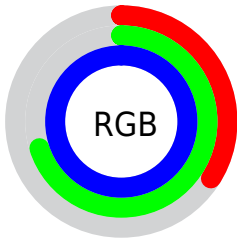
Format	Color
R _Y B	87, 146, 255
Decimal	5747455
CIE Lab	70.24, -3.72, -46.06
CIE LCh	70, 46.207, 265.385
Yxy	41.0870, 0.2111, 0.2289
Android (android.graphics.Color)	4283937535 (0xFF57B2FF)
YUV	159.5690, 47.0475, -63.6430
Hunter-Lab	64.0991, -6.6540, -48.1077

Details

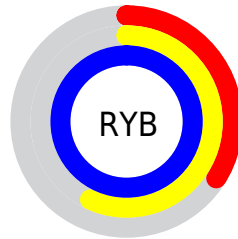
The Yxy color **41.0870, 0.2111, 0.2289** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **48.4534, 0.4682, 0.4036**, and the grayscale version is **34.7454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0771, 0.2525, 0.3036**, and **18.9989, 0.1902, 0.2047** is the 20% darker color. If you saturate the color by 10%, you get **35.6201, 0.1994, 0.2108**, and if you desaturate by 10%, it is **47.3853, 0.2247, 0.2468**.

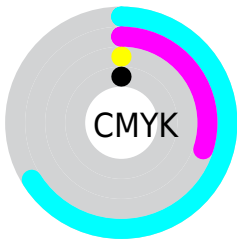
Distribution



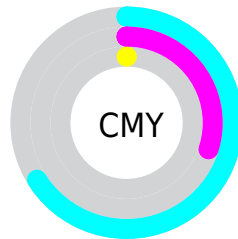
- Red (34%)
- Green (70%)
- Blue (100%)



- Red (34%)
- Yellow (57%)
- Blue (100%)



- Cyan (66%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0870, 0.2111, 0.2289 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 41.0870, 0.2111, 0.2289 by changing the saturation by 10% instead.

■ 41.0870, 0.2111,
0.2289

■ 41.0870, 0.2111,
0.2289

350.6841, 0.2602,
0.2778

■ 28.3871, 0.1997,
0.2174

■ 76.8159, 0.2284,
0.2462

■ 18.6176, 0.1856,
0.2031

■ 100.6138, 0.2350,
0.2529

■ 11.3943, 0.1680,
0.1851

■ 128.8796, 0.2407,
0.2585

■ 6.3327, 0.1455,
0.1620

■ 161.9980, 0.2457,
0.2635

■ 3.0484, 0.1165,
0.1317

200.3532, 0.2500,
0.2677

■ 1.1571, 0.0795,
0.0925

244.3297, 0.2538,

■ 0.0262, 0.0000,

0.2715

0.0047

294.3119, 0.2572,
0.2748

0.0000, 0.0000,
0.0000

41.0870, 0.2111,
0.2289

41.0870, 0.2111,
0.2289

35.6201, 0.1994,
0.2108

47.3853, 0.2247,
0.2468

30.9226, 0.1899,
0.1929

54.5613, 0.2396,
0.2641

26.9262, 0.1827,
0.1757

62.6617, 0.2554,
0.2805

25.4541, 0.1803,
0.1689

71.7282, 0.2715,
0.2957

81.7994, 0.2877,
0.3096

■ 92.9115, 0.3036,
0.3222

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



41.0870, 0.1947, 0.2552



41.0870, 0.2111, 0.2289



41.0870, 0.2525, 0.2274

Triad

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



41.0870, 0.2111, 0.2289



41.0870, 0.4335, 0.3314



41.0870, 0.2995, 0.4356

Complementary

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



41.0870, 0.2111, 0.2289



48.4534, 0.4682, 0.4036

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.



41.0870, 0.3647, 0.4522



41.0870, 0.2111, 0.2289



41.0870, 0.4460, 0.3824

Square

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



41.0870, 0.2111, 0.2289



41.0870, 0.3831, 0.2839



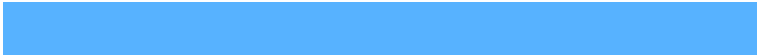
41.0870, 0.4190, 0.4278



41.0870, 0.2413, 0.3776

Rectangle

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



41.0870, 0.2111, 0.2289



41.0870, 0.2922, 0.2384



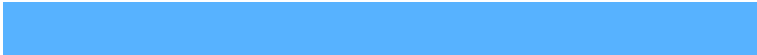
41.0870, 0.4190, 0.4278



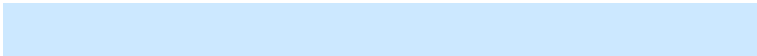
41.0870, 0.3214, 0.4464

Sweetspot

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



41.0884, 0.2111, 0.2289



77.5702, 0.2811, 0.3041



76.1547, 0.2735, 0.4503



16.0003, 0.2766, 0.3002



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.



41.0884, 0.2111, 0.2289



34.0950, 0.1962, 0.2052



17.4858, 0.1862, 0.1248



19.0092, 0.2979, 0.3178



13.6057, 0.1810, 0.1717



1.5433, 0.1864, 0.1910

Inverse Universe

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



31.2753, 0.4072, 0.2418



26.4918, 0.4360, 0.2351



88.2022, 0.4084, 0.4734



18.1518, 0.3209, 0.3162



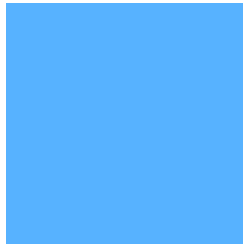
12.1015, 0.4786, 0.2410



1.2003, 0.4556, 0.2284

Previews

White Background



This preview shows how the Yxy color 41.0870, 0.2111, 0.2289 looks on a white background.

Color Contrast Check

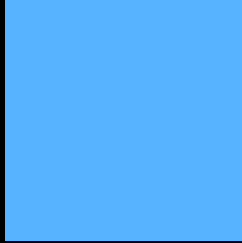
Large Text (above 18pt) WCAG AA × Fail

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 41.0870, 0.2111, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

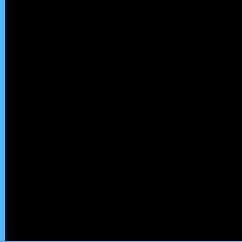
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

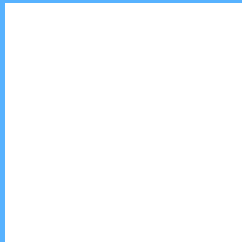
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0870, 0.2111, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 41.0870, 0.2111, 0.2289.



This preview shows how white text looks on a background with the Yxy color 41.0870, 0.2111, 0.2289.

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

41.0870, 0.2111, 0.2289

Protanopia

40.7404, 0.2402, 0.2304

Deuteranopia

40.8750, 0.2291, 0.2232



Tritanopia

41.1481, 0.2265, 0.3061

Trichromacy



Original Color

41.0870, 0.2111, 0.2289

Protanomaly

40.6923, 0.2276, 0.2297

Deuteranomaly

40.8201, 0.2216, 0.2250

Tritanomaly

40.7838, 0.2199, 0.2742

Monochromacy



Original Color

41.0870, 0.2111, 0.2289

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5641, 0.2629, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0870, 0.2111, 0.2289 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(87, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 178, 255)  
}
```

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(87, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.0870, 0.2111, 0.2289 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(87, 178, 255) }
```

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

```
.border{ border-color:rgb(87, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0870, 0.2111, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 178, 255) }
```

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

```
.background{ background-color: rgb(87, 178,  
255) }
```

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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