

Converting Colors

$Yxy(57.6864, 0.2471, 0.2951)$

Have a look what the booklet for
Yxy(57.6864, 0.2471, 0.2951)
contains.

Yxy(57.6671, 0.2469, 0.2951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.6671, 0.2469, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	84D3EE
RGB	132, 211, 238
RGB Percent	52%, 83%, 93%
CMY	0.4823, 0.1726, 0.0665
CMYK	0.45, 0.11, 0.00, 0.07
HSL	195°, 76%, 73%
HSV	195°, 45%, 93%
XYZ	48.2481, 57.6671, 89.5003
YIQ	190.4570, -55.7510, -8.3510

Conversions

Conversions Part 2

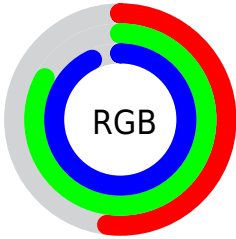
Format	Color
RYB	132, 177, 238
Decimal	8705006
CIELab	80.55, -17.32, -20.88
CIElCh	81, 27.128, 230.319
Yxy	57.6671, 0.2469, 0.2951
Android (android.graphics.Color)	4286895086 (0xFF84D3EE)
YUV	190.4570, 23.4387, -51.2668
Hunter-Lab	75.9389, -19.4823, -16.7210

Details

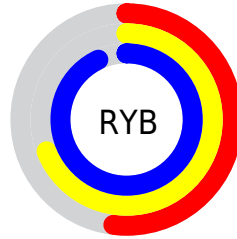
The Yxy color **57.6671, 0.2469, 0.2951** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.6646, 0.4173, 0.3595**, and the grayscale version is **51.6604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **28.6102, 0.2308, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **53.0045, 0.2345, 0.2860**, and if you desaturate by 10%, it is **62.8858, 0.2606, 0.3037**.

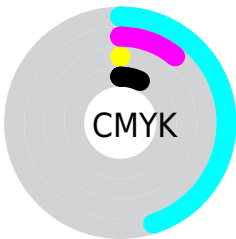
Distribution



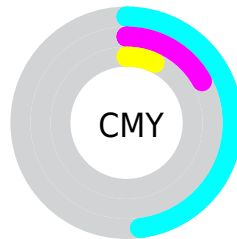
- Red (52%)
- Green (83%)
- Blue (93%)



- Red (52%)
- Yellow (69%)
- Blue (93%)



- Cyan (45%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6671, 0.2469, 0.2951 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 57.6671, 0.2469, 0.2951 by changing the saturation by 10% instead.

■ 57.6671, 0.2469,
0.2951

■ 57.6671, 0.2469,
0.2951

■ 415.9443, 0.2778,
0.3120

■ 41.5411, 0.2398,
0.2910

■ 101.4379, 0.2577,
0.3012

■ 28.7421, 0.2310,
0.2857

■ 129.8515, 0.2618,
0.3035

■ 18.8858, 0.2199,
0.2788

■ 163.1297, 0.2654,
0.3054

■ 11.5878, 0.2053,
0.2695

■ 201.6570, 0.2685,
0.3071

■ 6.4637, 0.1857,
0.2562

■ 245.8177, 0.2713,
0.3086

■ 3.1290, 0.1581,
0.2359

■ 295.9962, 0.2737,

■ 1.1995, 0.1162,

0.3099

0.2027

352.5770, 0.2759,
0.3110

0.0613, 0.0000,
0.0360

0.0000, 0.0000,
0.0000

57.6671, 0.2469,
0.2951

57.6671, 0.2469,
0.2951

53.0045, 0.2345,
0.2860

62.8858, 0.2606,
0.3037

48.8599, 0.2237,
0.2766

68.6825, 0.2751,
0.3118

45.2004, 0.2148,
0.2670

75.0857, 0.2903,
0.3193

41.9851, 0.2078,
0.2574

82.1199, 0.3057,
0.3261

■ 39.1646, 0.2029,
0.2479

■ 89.8080, 0.3211,
0.3323

■ 37.7496, 0.2008,
0.2427

■ 94.2127, 0.3232,
0.3381

■ 97.9945, 0.3227,
0.3439

■ 98.9549, 0.3226,
0.3454

Harmonies

Analogous

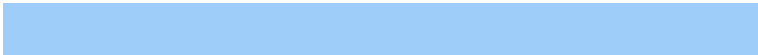
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.6671, 0.2561, 0.3256



57.6671, 0.2469, 0.2951



57.6671, 0.2539, 0.2761

Triad

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



57.6671, 0.2469, 0.2951



57.6671, 0.3444, 0.3006



57.6671, 0.3481, 0.3922

Complementary

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



57.6671, 0.2469, 0.2951



44.6646, 0.4173, 0.3595

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.



57.6671, 0.3740, 0.3808



57.6671, 0.2469, 0.2951



57.6671, 0.3724, 0.3279

Square

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



57.6671, 0.2469, 0.2951



57.6671, 0.3087, 0.2804



57.6671, 0.3833, 0.3568



57.6671, 0.3136, 0.3850

Rectangle

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



57.6671, 0.2469, 0.2951



57.6671, 0.2671, 0.2714



57.6671, 0.3833, 0.3568



57.6671, 0.3581, 0.3903

Sweetspot

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



57.6693, 0.2469, 0.2951



88.9702, 0.2926, 0.3204



68.5615, 0.2927, 0.4332



18.6697, 0.2892, 0.3188



0.0000, 0.0000, 0.0000



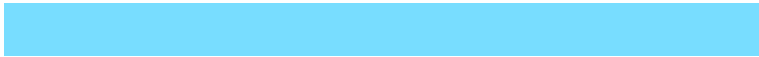
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.6693, 0.2469, 0.2951



62.6698, 0.2361, 0.2873



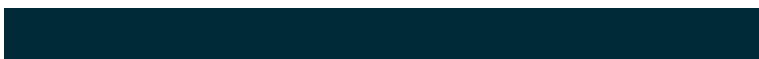
35.7149, 0.2347, 0.2249



17.2067, 0.2981, 0.3228



21.2725, 0.2012, 0.2442



1.9278, 0.2046, 0.2567

Inverse Universe

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



39.3939, 0.3434, 0.2447



39.8526, 0.3515, 0.2299



66.7010, 0.3905, 0.4144



15.9585, 0.3177, 0.3116



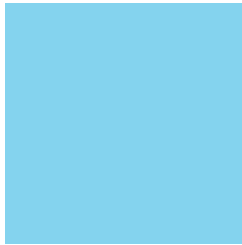
11.9408, 0.3980, 0.1966



1.0093, 0.3856, 0.1898

Previews

White Background



This preview shows how the Yxy color 57.6671, 0.2469, 0.2951 looks on a white background.

Color Contrast Check

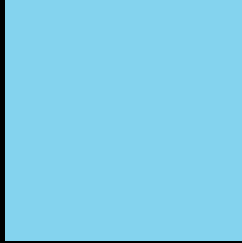
Large Text (above 18pt) WCAG AA × Fail

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 57.6671, 0.2469, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

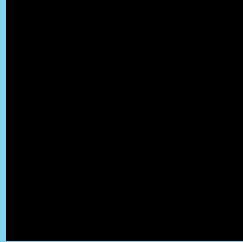
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6671, 0.2469, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 57.6671, 0.2469, 0.2951.



This preview shows how white text looks on a background with the Yxy color 57.6671, 0.2469, 0.2951.

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

57.6671, 0.2469, 0.2951

Protanopia

56.9271, 0.2874, 0.2917

Deuteranopia

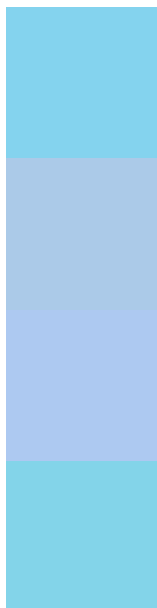
57.3113, 0.2818, 0.2757



Tritanopia

57.5460, 0.2501, 0.3060

Trichromacy



Original Color

57.6671, 0.2469, 0.2951

Protanomaly

56.7252, 0.2709, 0.2928

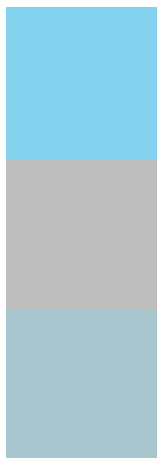
Deuteranomaly

57.0084, 0.2668, 0.2817

Tritanomaly

57.7955, 0.2491, 0.3024

Monochromacy



Original Color

57.6671, 0.2469, 0.2951

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.3282, 0.2847, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6671, 0.2469, 0.2951 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(132, 211, 238)` looks like.

```
.text, #text, p{  
    color:rgb(132, 211, 238)  
}
```

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(132, 211, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 211, 238) }
```

Border

The CSS property to change the border of an element to Yxy 57.6671, 0.2469, 0.2951 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(132, 211, 238) }
```

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

```
.border{ border-color:rgb(132, 211, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 211, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 211, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 211, 238);  
box-shadow:4px 4px 4px 4px rgb(132, 211,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6671, 0.2469, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 211, 238) }
```

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

```
.background{ background-color: rgb(132,  
211, 238) }
```

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