

Converting Colors

$Y_{xy}(45.7981, 0.2135, 0.1936)$

Have a look what the booklet for
Yxy(45.7981, 0.2135, 0.1936)
contains.

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Color

Yxy(42.8665, 0.2308, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	85AFFF
RGB	133, 175, 255
RGB Percent	52%, 69%, 100%
CMY	0.4784, 0.3137, 0.0000
CMYK	0.48, 0.31, 0.00, 0.00
HSL	219°, 100%, 76%
HSV	219°, 48%, 100%
XYZ	43.0530, 42.8665, 100.6188
YIQ	171.5620, -50.7120, 15.9760

Conversions

Conversions Part 2

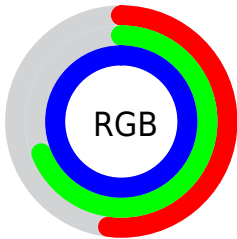
Format	Color
RYB	133, 164, 255
Decimal	8761343
CIELab	71.46, 6.99, -44.01
CIElCh	71, 44.558, 279.030
Yxy	42.8665, 0.2308, 0.2298
Android (android.graphics.Color)	4286951423 (0xFF85AFFF)
YUV	171.5620, 41.1349, -33.8189
Hunter-Lab	65.4725, 2.8001, -45.2867

Details

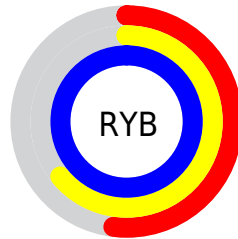
The Yxy color **42.8665, 0.2308, 0.2298** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.5402, 0.4028, 0.4102**, and the grayscale version is **40.8305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8900, 0.2733, 0.3017**, and **19.6990, 0.2094, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **34.9269, 0.2134, 0.2045**, and if you desaturate by 10%, it is **52.1178, 0.2488, 0.2541**.

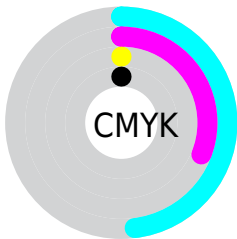
Distribution



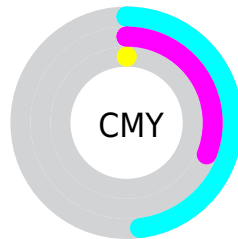
- Red (52%)
- Green (69%)
- Blue (100%)



- Red (52%)
- Yellow (64%)
- Blue (100%)



- Cyan (48%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8665, 0.2308, 0.2298 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 42.8665, 0.2308, 0.2298 by changing the saturation by 10% instead.

■ 42.8665, 0.2308,
0.2298

■ 42.8665, 0.2308,
0.2298

■ 358.0625, 0.2709,
0.2773

■ 29.7804, 0.2213,
0.2188

■ 79.5094, 0.2450,
0.2464

■ 19.6720, 0.2095,
0.2053

■ 103.8349, 0.2505,
0.2529

■ 12.1568, 0.1945,
0.1882

■ 132.6757, 0.2551,
0.2584

■ 6.8506, 0.1749,
0.1664

■ 166.4162, 0.2591,
0.2632

■ 3.3688, 0.1488,
0.1379

■ 205.4407, 0.2626,
0.2674

■ 1.3272, 0.1135,
0.1005

■ 250.1336, 0.2657,

■ 0.1621, 0.0539,

0.2711

0.0269

300.8794, 0.2684,
0.2744

■ 0.0000, 0.0000,
0.0000

■ 42.8665, 0.2308,
0.2298

■ 42.8665, 0.2308,
0.2298

■ 34.9269, 0.2134,
0.2045

■ 52.1178, 0.2488,
0.2541

■ 28.2296, 0.1973,
0.1789

■ 62.7388, 0.2667,
0.2767

■ 22.7022, 0.1835,
0.1541

■ 74.7878, 0.2841,
0.2973

■ 18.2618, 0.1724,
0.1313

■ 88.3181, 0.3006,
0.3159

■ 14.8062, 0.1646,
0.1113

100.0000, 0.3127,
0.3290

■ 14.1656, 0.1632,
0.1074

Harmonies

Analogous

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



42.8665, 0.2038, 0.2441



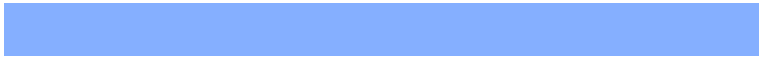
42.8665, 0.2308, 0.2298



42.8665, 0.2805, 0.2379

Triad

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



42.8665, 0.2308, 0.2298



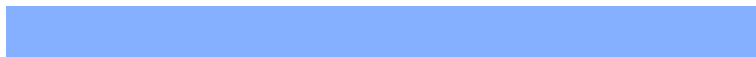
42.8665, 0.4380, 0.3541



42.8665, 0.2734, 0.4085

Complementary

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



42.8665, 0.2308, 0.2298



70.5402, 0.4028, 0.4102

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.



42.8665, 0.3347, 0.4441



42.8665, 0.2308, 0.2298



42.8665, 0.4323, 0.4017

Square

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



42.8665, 0.2308, 0.2298



42.8665, 0.4050, 0.3060



42.8665, 0.3932, 0.4376



42.8665, 0.2257, 0.3445

Rectangle

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



42.8665, 0.2308, 0.2298



42.8665, 0.3227, 0.2542



42.8665, 0.3932, 0.4376



42.8665, 0.2931, 0.4249

Sweetspot

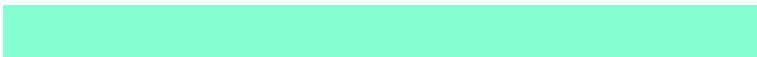
The Sweet Spot groups the original color and five complimentary colors.



42.8675, 0.2308, 0.2298



79.8099, 0.2905, 0.3047



81.2751, 0.2683, 0.3802



16.4733, 0.2869, 0.3006



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.



42.8675, 0.2308, 0.2298



35.5477, 0.2148, 0.2066



30.6029, 0.2332, 0.1818



18.4002, 0.2979, 0.3130



7.6510, 0.1640, 0.1104



0.9392, 0.1702, 0.1328

Inverse Universe

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



41.1301, 0.3985, 0.2857



34.8638, 0.4247, 0.2789



91.1663, 0.3707, 0.4517



18.0903, 0.3240, 0.3208



11.5003, 0.5605, 0.2861



1.1394, 0.5289, 0.2687

Previews

White Background



This preview shows how the Yxy color 42.8665, 0.2308, 0.2298 looks on a white background.

Color Contrast Check

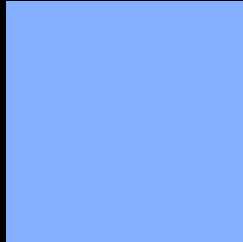
Large Text (above 18pt) WCAG AA × Fail

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 42.8665, 0.2308, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

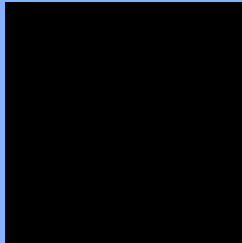
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

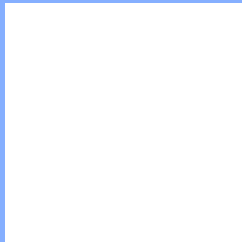
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8665, 0.2308, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 42.8665, 0.2308, 0.2298.



This preview shows how white text looks on a background with the Yxy color 42.8665, 0.2308, 0.2298.

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

42.8665, 0.2308, 0.2298

Protanopia

42.8292, 0.2402, 0.2310

Deuteranopia

42.7699, 0.2348, 0.2284



Tritanopia

43.0479, 0.2521, 0.3074

Trichromacy



Original Color

42.8665, 0.2308, 0.2298

Protanomaly

42.8186, 0.2370, 0.2306

Deuteranomaly

42.8954, 0.2333, 0.2292

Tritanomaly

42.8139, 0.2434, 0.2757

Monochromacy



Original Color

42.8665, 0.2308, 0.2298

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.4205, 0.2778, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8665, 0.2308, 0.2298 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(133, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 175, 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(133, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.8665, 0.2308, 0.2298 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(133, 175, 255) }
```

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

```
.border{ border-color:rgb(133, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8665, 0.2308, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 175, 255) }
```

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

```
.background{ background-color: rgb(133,  
175, 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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