

Converting Colors

$Y_{xy}(42.8075, 0.2289, 0.2250)$

Have a look what the booklet for
Yxy(42.8075, 0.2289, 0.2250)
contains.

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Color

Yxy(42.4786, 0.2306, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	85AEFF
RGB	133, 174, 255
RGB Percent	52%, 68%, 100%
CMY	0.4781, 0.3177, 0.0000
CMYK	0.48, 0.32, 0.00, 0.00
HSL	220°, 100%, 76%
HSV	220°, 48%, 100%
XYZ	42.8690, 42.4786, 100.5544
YIQ	170.9750, -50.4370, 16.4990

Conversions

Conversions Part 2

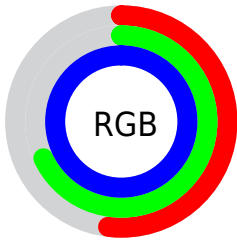
Format	Color
R _Y B	133, 164, 255
Decimal	8761087
CIE Lab	71.20, 7.59, -44.42
CIE LCh	71, 45.064, 279.691
Yxy	42.4786, 0.2306, 0.2285
Android (android.graphics.Color)	4286951167 (0xFF85AEFF)
YUV	170.9750, 41.4243, -33.3041
Hunter-Lab	65.1756, 3.3503, -45.8510

Details

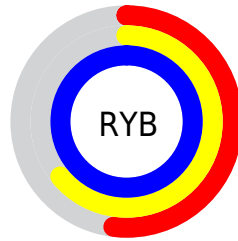
The Yxy color **42.4786, 0.2306, 0.2285** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.0984, 0.4022, 0.4111**, and the grayscale version is **40.5267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3350, 0.2732, 0.3006**, and **19.4521, 0.2091, 0.2036** is the 20% darker color. If you saturate the color by 10%, you get **34.5095, 0.2131, 0.2029**, and if you desaturate by 10%, it is **51.7794, 0.2487, 0.2531**.

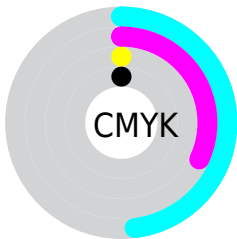
Distribution



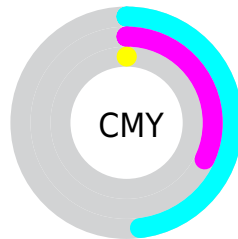
- Red (52%)
- Green (68%)
- Blue (100%)



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



- Cyan (48%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4786, 0.2306, 0.2285 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 42.4786, 0.2306, 0.2285 by changing the saturation by 10% instead.

 42.4786, 0.2306,
0.2285

 42.4786, 0.2306,
0.2285


356.4631, 0.2708,
0.2766


 29.4762, 0.2211,
0.2174


 78.9235, 0.2449,
0.2454

 19.4414, 0.2092,
0.2037


 103.1347, 0.2503,
0.2519

 11.9896, 0.1941,
0.1865


 131.8511, 0.2550,
0.2575

 6.7366, 0.1744,
0.1644

165.4569, 0.2590,
0.2623

 3.2979, 0.1481,
0.1357

204.3367, 0.2626,
0.2666

 1.2892, 0.1126,
0.0982

248.8747, 0.2656,

 0.1328, 0.0521,

0.2703

0.0222

299.4554, 0.2684,
0.2736

0.0000, 0.0000,
0.0000

42.4786, 0.2306,
0.2285

42.4786, 0.2306,
0.2285

34.5095, 0.2131,
0.2029

51.7794, 0.2487,
0.2531

27.8015, 0.1969,
0.1770

62.4713, 0.2667,
0.2760

22.2808, 0.1829,
0.1520

74.6135, 0.2841,
0.2970

17.8630, 0.1718,
0.1290

88.2606, 0.3006,
0.3158

14.4441, 0.1640,
0.1091

100.0000, 0.3127,
0.3290

■ 13.8040, 0.1626,
0.1051

Harmonies

Analogous

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



42.4786, 0.2028, 0.2424



42.4786, 0.2306, 0.2285



42.4786, 0.2813, 0.2372

Triad

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



42.4786, 0.2306, 0.2285



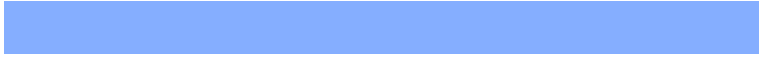
42.4786, 0.4401, 0.3553



42.4786, 0.2715, 0.4085

Complementary

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



42.4786, 0.2306, 0.2285



71.0984, 0.4022, 0.4111

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.



42.4786, 0.3335, 0.4456



42.4786, 0.2306, 0.2285



42.4786, 0.4333, 0.4034

Square

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



42.4786, 0.2306, 0.2285



42.4786, 0.4075, 0.3067



42.4786, 0.3930, 0.4396



42.4786, 0.2237, 0.3432

Rectangle

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



42.4786, 0.2306, 0.2285



42.4786, 0.3243, 0.2539



42.4786, 0.3930, 0.4396



42.4786, 0.2913, 0.4254

Sweetspot

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



42.4795, 0.2306, 0.2285



79.6337, 0.2905, 0.3044



81.2834, 0.2683, 0.3801



16.4307, 0.2869, 0.3002



0.0000, 0.0000, 0.0000



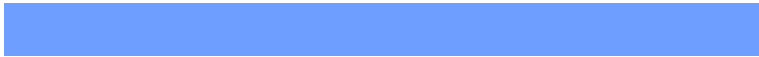
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4795, 0.2306, 0.2285



35.1077, 0.2145, 0.2050



30.6325, 0.2333, 0.1819



18.3735, 0.2979, 0.3127



7.4578, 0.1634, 0.1081



0.9180, 0.1696, 0.1304

Inverse Universe

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



41.1131, 0.3996, 0.2868



34.8194, 0.4264, 0.2802



91.1708, 0.3707, 0.4516



18.0876, 0.3241, 0.3211



11.4808, 0.5639, 0.2880



1.1372, 0.5321, 0.2705

Previews

White Background



This preview shows how the Yxy color 42.4786, 0.2306, 0.2285 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 42.4786, 0.2306, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

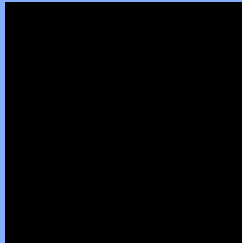
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

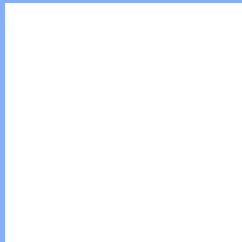
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4786, 0.2306, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 42.4786, 0.2306, 0.2285.



This preview shows how white text looks on a background with the Yxy color 42.4786, 0.2306, 0.2285.

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

42.4786, 0.2306, 0.2285

Protanopia

42.4207, 0.2389, 0.2287

Deuteranopia

42.5961, 0.2337, 0.2281



Tritanopia

42.5811, 0.2524, 0.3073

Trichromacy



Original Color

42.4786, 0.2306, 0.2285

Protanomaly

42.4116, 0.2357, 0.2282

Deuteranomaly

42.4255, 0.2325, 0.2278

Tritanomaly

42.3526, 0.2437, 0.2755

Monochromacy



Original Color

42.4786, 0.2306, 0.2285

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.9374, 0.2770, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4786, 0.2306, 0.2285 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 174, 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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.4786, 0.2306, 0.2285 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, 174, 255) }
```

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

```
.border{ border-color:rgb(133, 174, 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, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4786, 0.2306, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 174, 255) }
```

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

```
.background{ background-color: rgb(133,  
174, 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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