

Converting Colors

$Y_{xy}(46.6795, 0.2408, 0.2579)$

Have a look what the booklet for
Yxy(46.6795, 0.2408, 0.2579)
contains.

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Color

Yxy(46.6795, 0.2408, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	87BAF2
RGB	135, 186, 242
RGB Percent	53%, 73%, 95%
CMY	0.4704, 0.2706, 0.0509
CMYK	0.44, 0.23, 0.00, 0.05
HSL	211°, 80%, 74%
HSV	211°, 44%, 95%
XYZ	43.5844, 46.6795, 90.7345
YIQ	177.1350, -48.3720, 6.6040

Conversions

Conversions Part 2

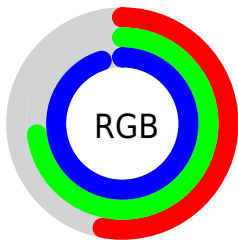
Format	Color
RYB	135, 170, 242
Decimal	8895218
CIELab	73.98, -2.30, -33.06
CIELCh	74, 33.141, 266.028
Yxy	46.6795, 0.2408, 0.2579
Android (android.graphics.Color)	4287085298 (0xFF87BAF2)
YUV	177.1350, 31.9784, -36.9524
Hunter-Lab	68.3224, -5.6949, -30.9135

Details

The Yxy color **46.6795, 0.2408, 0.2579** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.9239, 0.4015, 0.3899**, and the grayscale version is **43.8942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9307, 0.2750, 0.3150**, and **21.9399, 0.2218, 0.2386** is the 20% darker color. If you saturate the color by 10%, you get **39.7902, 0.2249, 0.2381**, and if you desaturate by 10%, it is **54.5023, 0.2574, 0.2765**.

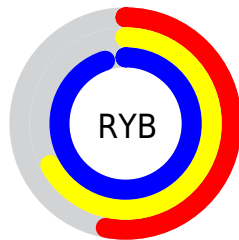
Distribution



Red (53%)

Green (73%)

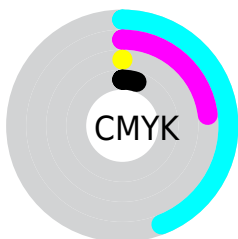
Blue (95%)



Red (53%)

Yellow (67%)

Blue (95%)

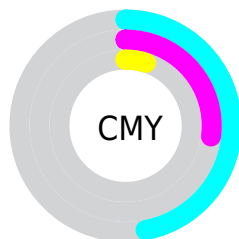


Cyan (44%)

Magenta (23%)

Yellow (0%)

Black (5%)



Cyan (47%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6795, 0.2408, 0.2579 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 46.6795, 0.2408, 0.2579 by changing the saturation by 10% instead.

■ 46.6795, 0.2408,
0.2579

■ 46.6795, 0.2408,
0.2579

■ 373.5338, 0.2757,
0.2926

■ 32.7824, 0.2325,
0.2496

■ 85.2350, 0.2532,
0.2703

■ 21.9598, 0.2222,
0.2392

■ 110.6622, 0.2579,
0.2750

■ 13.8273, 0.2090,
0.2258

■ 140.7015, 0.2619,
0.2790

■ 8.0007, 0.1916,
0.2081

■ 175.7373, 0.2654,
0.2825

■ 4.0954, 0.1678,
0.1838

■ 216.1541, 0.2685,
0.2855

■ 1.7271, 0.1345,
0.1493

■ 262.3361, 0.2712,

■ 0.4411, 0.0727,

0.2882

0.0883

314.6679, 0.2736,
0.2905

0.0000, 0.0000,
0.0000

46.6795, 0.2408,
0.2579

46.6795, 0.2408,
0.2579

39.7902, 0.2249,
0.2381

54.5023, 0.2574,
0.2765

33.7857, 0.2101,
0.2177

63.2936, 0.2740,
0.2938

28.6197, 0.1971,
0.1970

73.0926, 0.2904,
0.3094

24.2380, 0.1863,
0.1767

83.9345, 0.3063,
0.3235

20.5766, 0.1780,
0.1576

95.6526, 0.3207,
0.3361

■ 18.7350, 0.1742,
0.1471

■ 99.1922, 0.3203,
0.3415

Harmonies

Analogous

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



46.6795, 0.2282, 0.2780



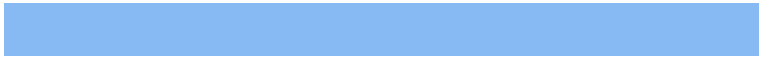
46.6795, 0.2408, 0.2579



46.6795, 0.2718, 0.2561

Triad

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



46.6795, 0.2408, 0.2579



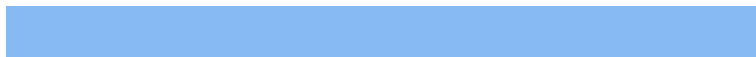
46.6795, 0.3959, 0.3337



46.6795, 0.3042, 0.3990

Complementary

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



46.6795, 0.2408, 0.2579



57.9239, 0.4015, 0.3899

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.



46.6795, 0.3499, 0.4129



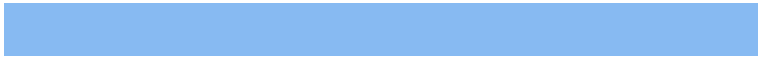
46.6795, 0.2408, 0.2579



46.6795, 0.4049, 0.3704

Square

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



46.6795, 0.2408, 0.2579



46.6795, 0.3623, 0.2983



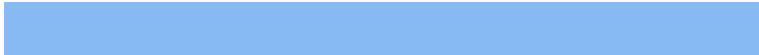
46.6795, 0.3873, 0.4003



46.6795, 0.2628, 0.3612

Rectangle

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



46.6795, 0.2408, 0.2579



46.6795, 0.3003, 0.2642



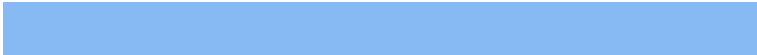
46.6795, 0.3873, 0.4003



46.6795, 0.3196, 0.4068

Sweetspot

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



46.6812, 0.2408, 0.2579



83.6646, 0.2923, 0.3112



72.4036, 0.2781, 0.3942



17.3571, 0.2887, 0.3079



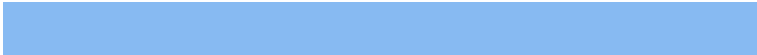
0.0000, 0.0000, 0.0000



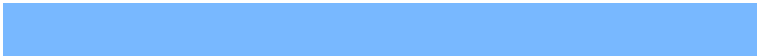
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6812, 0.2408, 0.2579



45.5740, 0.2265, 0.2403



29.0547, 0.2304, 0.1914



16.4707, 0.2980, 0.3163



10.3324, 0.1750, 0.1500



1.0575, 0.1818, 0.1745

Inverse Universe

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



39.7653, 0.3730, 0.2739



38.1267, 0.3916, 0.2637



83.8356, 0.3772, 0.4382



15.8842, 0.3218, 0.3178



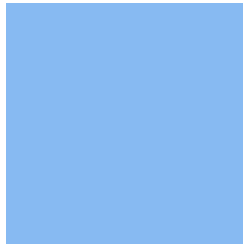
10.8364, 0.5059, 0.2560



0.9215, 0.4751, 0.2391

Previews

White Background



This preview shows how the Yxy color 46.6795, 0.2408, 0.2579 looks on a white background.

Color Contrast Check

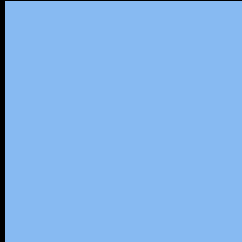
Large Text (above 18pt) WCAG AA × Fail

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 46.6795, 0.2408, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

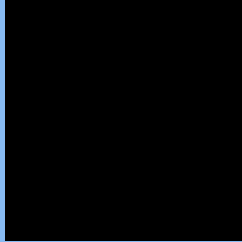
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

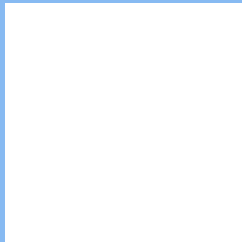
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6795, 0.2408, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 46.6795, 0.2408, 0.2579.



This preview shows how white text looks on a background with the Yxy color 46.6795, 0.2408, 0.2579.

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

46.6795, 0.2408, 0.2579

Protanopia

46.4616, 0.2616, 0.2578

Deuteranopia

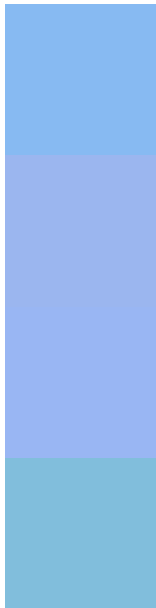
46.6644, 0.2561, 0.2502



Tritanopia

46.6133, 0.2547, 0.3068

Trichromacy



Original Color

46.6795, 0.2408, 0.2579

Protanomaly

46.6565, 0.2536, 0.2582

Deuteranomaly

46.6993, 0.2501, 0.2536

Tritanomaly

46.6613, 0.2499, 0.2887

Monochromacy



Original Color

46.6795, 0.2408, 0.2579

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5409, 0.2823, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6795, 0.2408, 0.2579 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(135, 186, 242)` looks like.

```
.text, #text, p{  
    color:rgb(135, 186, 242)  
}
```

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(135, 186, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 186, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.6795, 0.2408, 0.2579 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(135, 186, 242) }
```

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

```
.border{ border-color:rgb(135, 186, 242) }
```

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

Here you see how a box with a 4 pixel rgb(135, 186, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 186, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 186, 242);  
box-shadow:4px 4px 4px 4px rgb(135, 186,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6795, 0.2408, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 186, 242) }
```

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

```
.background{ background-color: rgb(135,  
186, 242) }
```

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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