

Converting Colors

$Y_{xy}(46.0455, 0.2708, 0.2789)$

Have a look what the booklet for
Yxy(46.0455, 0.2708, 0.2789)
contains.

Yxy(46.1076, 0.2710, 0.2793)	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(46.1076, 0.2710, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	A4B5DC
RGB	164, 181, 220
RGB Percent	64%, 71%, 86%
CMY	0.3572, 0.2901, 0.1373
CMYK	0.25, 0.18, 0.00, 0.14
HSL	222°, 44%, 75%
HSV	222°, 25%, 86%
XYZ	44.7374, 46.1076, 74.2377
YIQ	180.3630, -22.6510, 8.5250

Conversions

Conversions Part 2

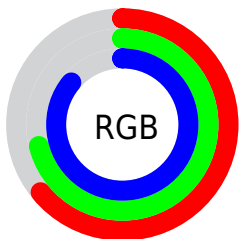
Format	Color
RYB	164, 177, 220
Decimal	10794460
CIELab	73.62, 2.67, -21.52
CIELCh	74, 21.685, 277.061
Yxy	46.1076, 0.2710, 0.2793
Android (android.graphics.Color)	4288984540 (0xFFA4B5DC)
YUV	180.3630, 19.5410, -14.3504
Hunter-Lab	67.9026, -1.2253, -17.2898

Details

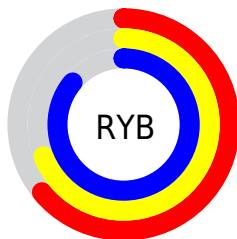
The Yxy color $46.1076, 0.2710, 0.2793$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $60.5428, 0.3555, 0.3742$, and the grayscale version is $45.7432, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.0040, 0.2912, 0.3104$, and $21.5345, 0.2593, 0.2651$ is the 20% darker color. If you saturate the color by 10%, you get $38.0891, 0.2530, 0.2560$, and if you desaturate by 10%, it is $55.2166, 0.2882, 0.3005$.

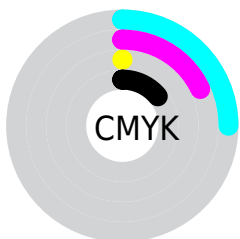
Distribution



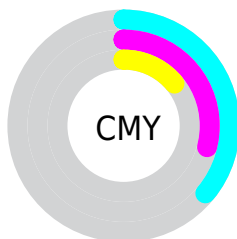
- Red (64%)
- Green (71%)
- Blue (86%)



- Red (64%)
- Yellow (69%)
- Blue (86%)



- Cyan (25%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)



- Cyan (36%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1076, 0.2710, 0.2793 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 46.1076, 0.2710, 0.2793 by changing the saturation by 10% instead.

■ 46.1076, 0.2710,
0.2793

■ 46.1076, 0.2710,
0.2793

371.2411, 0.2917,
0.3037

■ 32.3307, 0.2659,
0.2734

■ 84.3800, 0.2785,
0.2881

■ 21.6142, 0.2595,
0.2658

■ 109.6443, 0.2813,
0.2914

■ 13.5737, 0.2510,
0.2560

139.5066, 0.2837,
0.2942

■ 7.8248, 0.2394,
0.2427

174.3513, 0.2857,
0.2967

■ 3.9830, 0.2226,
0.2236

214.5626, 0.2875,
0.2988

■ 1.6641, 0.1968,
0.1946

260.5251, 0.2891,

■ 0.4002, 0.1413,

0.3006

0.1270

312.6231, 0.2905,
0.3023

0.0000, 0.0000,
0.0000

46.1076, 0.2710,
0.2793

46.1076, 0.2710,
0.2793

38.0891, 0.2530,
0.2560

55.2166, 0.2882,
0.3005

31.1127, 0.2347,
0.2308

65.4508, 0.3044,
0.3195

25.1347, 0.2167,
0.2045

76.8502, 0.3193,
0.3363

20.1053, 0.1998,
0.1778

89.4510, 0.3330,
0.3511

15.9705, 0.1849,
0.1519

97.9463, 0.3334,
0.3631

■ 12.6695, 0.1728,
0.1280

■ 10.1318, 0.1640,
0.1073

■ 9.1955, 0.1609,
0.0991

Harmonies

Analogous

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



46.1076, 0.2573, 0.2892



46.1076, 0.2710, 0.2793



46.1076, 0.2961, 0.2819

Triad

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



46.1076, 0.2710, 0.2793



46.1076, 0.3713, 0.3426



46.1076, 0.2969, 0.3663

Complementary

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



46.1076, 0.2710, 0.2793



60.5428, 0.3555, 0.3742

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.



46.1076, 0.3272, 0.3817



46.1076, 0.2710, 0.2793



46.1076, 0.3711, 0.3659

Square

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



46.1076, 0.2710, 0.2793



46.1076, 0.3548, 0.3173



46.1076, 0.3546, 0.3809



46.1076, 0.2716, 0.3394

Rectangle

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



46.1076, 0.2710, 0.2793



46.1076, 0.3164, 0.2900



46.1076, 0.3546, 0.3809



46.1076, 0.3068, 0.3731

Sweetspot

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



46.1094, 0.2710, 0.2793



87.6211, 0.3003, 0.3148



63.3355, 0.2858, 0.3510



18.2815, 0.2979, 0.3120



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.



46.1094, 0.2710, 0.2793



57.7860, 0.2607, 0.2661



40.7107, 0.2771, 0.2583



13.2619, 0.2981, 0.3123



5.5708, 0.1616, 0.1017



0.5107, 0.1707, 0.1345

Inverse Universe

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



45.0728, 0.3503, 0.3089



56.4645, 0.3618, 0.3041



67.5119, 0.3431, 0.3941



13.1166, 0.3244, 0.3219



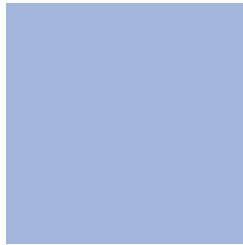
9.1861, 0.5733, 0.2932



0.6102, 0.5265, 0.2674

Previews

White Background



This preview shows how the Yxy color 46.1076, 0.2710, 0.2793 looks on a white background.

Color Contrast Check

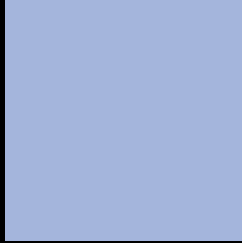
Large Text (above 18pt) WCAG AA × Fail

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 46.1076, 0.2710, 0.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

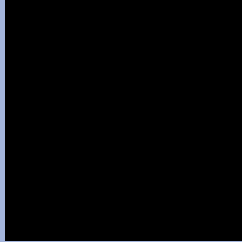
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

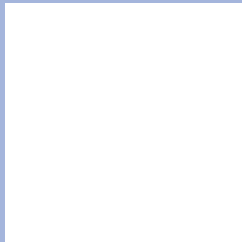
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1076, 0.2710, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 46.1076, 0.2710, 0.2793.



This preview shows how white text looks on a background with the Yxy color 46.1076, 0.2710, 0.2793.

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

46.1076, 0.2710, 0.2793

Protanopia

46.1253, 0.2774, 0.2786

Deuteranopia

46.1297, 0.2804, 0.2744



Tritanopia

46.2950, 0.2825, 0.3103

Trichromacy



Original Color

46.1076, 0.2710, 0.2793

Protanomaly

46.1920, 0.2752, 0.2796

Deuteranomaly

45.9455, 0.2767, 0.2751

Tritanomaly

46.3630, 0.2778, 0.2988

Monochromacy



Original Color

46.1076, 0.2710, 0.2793

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5813, 0.2961, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1076, 0.2710, 0.2793 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(164, 181, 220)` looks like.

```
.text, #text, p{  
    color:rgb(164, 181, 220)  
}
```

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(164, 181, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 181, 220) }
```

Border

The CSS property to change the border of an element to Yxy 46.1076, 0.2710, 0.2793 is called "border". The border property can be set on classes, ids or directly on the HTML element.

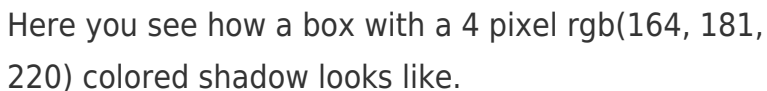
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 181, 220) }
```

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

```
.border{ border-color:rgb(164, 181, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 181, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 181, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 181, 220); box-shadow:4px 4px 4px 4px rgb(164, 181, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1076, 0.2710, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 181, 220) }
```

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

```
.background{ background-color: rgb(164,  
181, 220) }
```

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