

Converting Colors

$Y_{xy}(48.4793, 0.2726, 0.2717)$

Have a look what the booklet for
Yxy(48.4793, 0.2726, 0.2717)
contains.

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Color

Yxy(48.5788, 0.2720, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	AEB7E6
RGB	174, 183, 230
RGB Percent	68%, 72%, 90%
CMY	0.3177, 0.2823, 0.0980
CMYK	0.24, 0.20, 0.00, 0.10
HSL	230°, 53%, 79%
HSV	230°, 24%, 90%
XYZ	48.6683, 48.5788, 81.6804
YIQ	185.6670, -20.4510, 12.7090

Conversions

Conversions Part 2

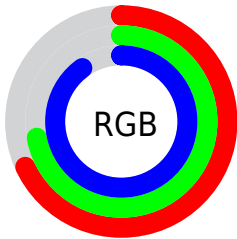
Format	Color
RYB	174, 182, 230
Decimal	11450342
CIELab	75.19, 6.96, -24.50
CIELCh	75, 25.472, 285.851
Yxy	48.5788, 0.2720, 0.2715
Android (android.graphics.Color)	4289640422 (0xFFAEB7E6)
YUV	185.6670, 21.8562, -10.2320
Hunter-Lab	69.6985, 2.6686, -20.6936

Details

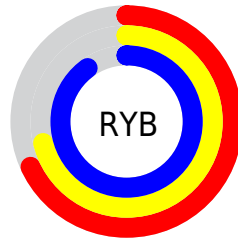
The Yxy color **48.5788, 0.2720, 0.2715** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.5785, 0.3516, 0.3806**, and the grayscale version is **48.7902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7760, 0.2974, 0.3128**, and **23.0862, 0.2616, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **38.7407, 0.2529, 0.2433**, and if you desaturate by 10%, it is **59.9639, 0.2898, 0.2971**.

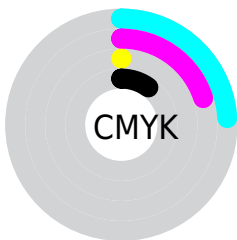
Distribution



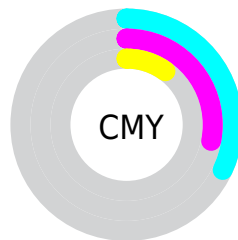
- Red (68%)
- Green (72%)
- Blue (90%)



- Red (68%)
- Yellow (71%)
- Blue (90%)



- Cyan (24%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (32%)
- Magenta (28%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5788, 0.2720, 0.2715 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 48.5788, 0.2720, 0.2715 by changing the saturation by 10% instead.

■ 48.5788, 0.2720,
0.2715

■ 48.5788, 0.2720,
0.2715

381.0818, 0.2921,
0.2992

■ 34.2855, 0.2671,
0.2649

■ 88.0656, 0.2792,
0.2813

■ 23.1130, 0.2609,
0.2566

114.0278, 0.2820,
0.2851

■ 14.6770, 0.2528,
0.2460

144.6484, 0.2843,
0.2883

■ 8.5930, 0.2418,
0.2318

180.3119, 0.2863,
0.2911

■ 4.4767, 0.2262,
0.2120

221.4026, 0.2880,
0.2935

■ 1.9436, 0.2024,
0.1830

268.3048, 0.2895,

■ 0.5744, 0.1632,

0.2957

0.1310

321.4031, 0.2909,
0.2976

0.0000, 0.0000,
0.0000

48.5788, 0.2720,
0.2715

48.5788, 0.2720,
0.2715

38.7407, 0.2529,
0.2433

59.9639, 0.2898,
0.2971

30.3767, 0.2330,
0.2131

72.9531, 0.3061,
0.3199

23.4165, 0.2132,
0.1818

87.6078, 0.3208,
0.3400

17.7818, 0.1944,
0.1510

98.4937, 0.3274,
0.3532

13.3864, 0.1781,
0.1225

■ 10.1333, 0.1652,
0.0983

■ 7.9102, 0.1566,
0.0799

■ 7.0424, 0.1534,
0.0723

Harmonies

Analogous

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



48.5788, 0.2522, 0.2783



48.5788, 0.2720, 0.2715



48.5788, 0.3034, 0.2786

Triad

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



48.5788, 0.2720, 0.2715



48.5788, 0.3825, 0.3525



48.5788, 0.2848, 0.3641

Complementary

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



48.5788, 0.2720, 0.2715



71.5785, 0.3516, 0.3806

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.



48.5788, 0.3188, 0.3870



48.5788, 0.2720, 0.2715



48.5788, 0.3762, 0.3776

Square

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



48.5788, 0.2720, 0.2715



48.5788, 0.3688, 0.3236



48.5788, 0.3525, 0.3913



48.5788, 0.2592, 0.3308

Rectangle

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



48.5788, 0.2720, 0.2715



48.5788, 0.3274, 0.2899



48.5788, 0.3525, 0.3913



48.5788, 0.2956, 0.3734

Sweetspot

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



48.5807, 0.2720, 0.2715



87.5872, 0.3019, 0.3141



70.7974, 0.2821, 0.3399



18.5286, 0.3010, 0.3127



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.



48.5807, 0.2720, 0.2715



55.1784, 0.2630, 0.2583



47.2680, 0.2853, 0.2628



14.2606, 0.2980, 0.3087



4.1026, 0.1539, 0.0741



0.4175, 0.1604, 0.0975

Inverse Universe

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



50.5062, 0.3555, 0.3188



58.1772, 0.3669, 0.3167



73.5516, 0.3357, 0.3926



14.4057, 0.3267, 0.3252



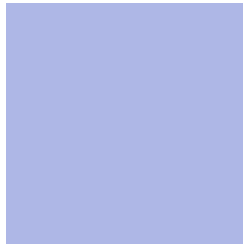
9.6119, 0.6165, 0.3170



0.7218, 0.5796, 0.2966

Previews

White Background



This preview shows how the Yxy color 48.5788, 0.2720, 0.2715 looks on a white background.

Color Contrast Check

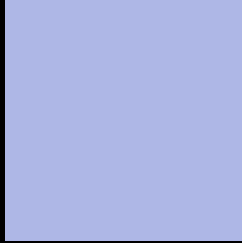
Large Text (above 18pt) WCAG AA × Fail

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 48.5788, 0.2720, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

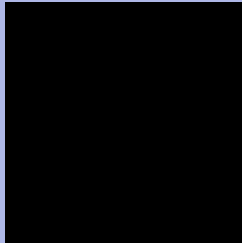
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5788, 0.2720, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 48.5788, 0.2720, 0.2715.



This preview shows how white text looks on a background with the Yxy color 48.5788, 0.2720, 0.2715.

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

48.5788, 0.2720, 0.2715

Protanopia

48.5788, 0.2720, 0.2715

Deuteranopia

48.4642, 0.2762, 0.2697



Tritanopia

48.7133, 0.2868, 0.3096

Trichromacy



Original Color

48.5788, 0.2720, 0.2715

Protanomaly

48.5788, 0.2720, 0.2715

Deuteranomaly

48.6340, 0.2748, 0.2707

Tritanomaly

48.5798, 0.2813, 0.2947

Monochromacy



Original Color

48.5788, 0.2720, 0.2715

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9073, 0.2974, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5788, 0.2720, 0.2715 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(174, 183, 230)` looks like.

```
.text, #text, p{  
    color:rgb(174, 183, 230)  
}
```

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(174, 183, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 183, 230) }
```

Border

The CSS property to change the border of an element to Yxy 48.5788, 0.2720, 0.2715 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(174, 183, 230) }
```

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

```
.border{ border-color:rgb(174, 183, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 183, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 183, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 183, 230);  
box-shadow:4px 4px 4px 4px rgb(174, 183,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5788, 0.2720, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 183, 230) }
```

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

```
.background{ background-color: rgb(174,  
183, 230) }
```

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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