

Converting Colors

$Y_{xy}(46.0070, 0.2817, 0.2814)$

Have a look what the booklet for
Yxy(46.0070, 0.2817, 0.2814)
contains.

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Color

Yxy(45.9126, 0.2816, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	AFB2D8
RGB	175, 178, 216
RGB Percent	69%, 70%, 85%
CMY	0.3138, 0.3019, 0.1528
CMYK	0.19, 0.18, 0.00, 0.15
HSL	236°, 35%, 77%
HSV	236°, 19%, 85%
XYZ	45.9943, 45.9126, 71.4250
YIQ	181.4350, -13.9860, 11.1820

Conversions

Conversions Part 2

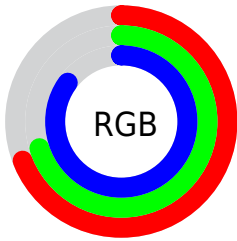
Format	Color
R _Y B	175, 178, 216
Decimal	11514584
CIE Lab	73.49, 6.82, -19.49
CIE LCh	73, 20.645, 289.288
Yxy	45.9126, 0.2816, 0.2811
Android (android.graphics.Color)	4289704664 (0xFFAFB2D8)
YUV	181.4350, 17.0405, -5.6435
Hunter-Lab	67.7588, 2.5867, -15.0668

Details

The Yxy color $45.9126, 0.2816, 0.2811$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $65.2919, 0.3418, 0.3728$, and the grayscale version is $46.3680, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.0546, 0.2980, 0.3077$, and $21.3780, 0.2729, 0.2677$ is the 20% darker color. If you saturate the color by 10%, you get $36.2202, 0.2627, 0.2515$, and if you desaturate by 10%, it is $57.1704, 0.2988, 0.3077$.

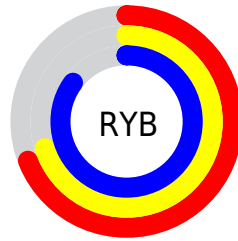
Distribution



Red (69%)

Green (70%)

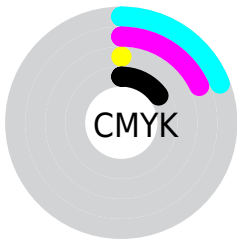
Blue (85%)



Red (69%)

Yellow (70%)

Blue (85%)

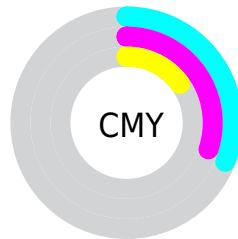


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (15%)



Cyan (31%)

Magenta (30%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9126, 0.2816, 0.2811 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 45.9126, 0.2816, 0.2811 by changing the saturation by 10% instead.

■ 45.9126, 0.2816,
0.2811

■ 45.9126, 0.2816,
0.2811

370.4572, 0.2972,
0.3045

■ 32.1769, 0.2777,
0.2754

■ 84.0882, 0.2873,
0.2895

■ 21.4966, 0.2728,
0.2682

109.2968, 0.2894,
0.2927

■ 13.4875, 0.2662,
0.2589

139.0985, 0.2912,
0.2954

■ 7.7651, 0.2571,
0.2461

173.8777, 0.2927,
0.2977

■ 3.9450, 0.2438,
0.2280

214.0188, 0.2941,
0.2998

■ 1.6428, 0.2226,
0.2003

259.9061, 0.2952,

■ 0.3862, 0.1805,

0.3016

0.1307

311.9241, 0.2963,
0.3031

0.0000, 0.0000,
0.0000

45.9126, 0.2816,
0.2811

45.9126, 0.2816,
0.2811

36.2202, 0.2627,
0.2515

57.1704, 0.2988,
0.3077

28.0184, 0.2424,
0.2193

70.0528, 0.3142,
0.3312

21.2350, 0.2215,
0.1858

84.6226, 0.3277,
0.3517

15.7892, 0.2012,
0.1525

97.7396, 0.3357,
0.3671

11.5923, 0.1829,
0.1216

■ 8.5448, 0.1679,
0.0956

■ 6.5318, 0.1574,
0.0764

■ 5.4030, 0.1516,
0.0648

■ 5.3274, 0.1511,
0.0640

Harmonies

Analogous

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



45.9126, 0.2636, 0.2857



45.9126, 0.2816, 0.2811



45.9126, 0.3086, 0.2881

Triad

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



45.9126, 0.2816, 0.2811



45.9126, 0.3705, 0.3517



45.9126, 0.2868, 0.3549

Complementary

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



45.9126, 0.2816, 0.2811



65.2919, 0.3418, 0.3728

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.



45.9126, 0.3147, 0.3749



45.9126, 0.2816, 0.2811



45.9126, 0.3637, 0.3714

Square

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



45.9126, 0.2816, 0.2811



45.9126, 0.3610, 0.3276



45.9126, 0.3429, 0.3806



45.9126, 0.2665, 0.3275

Rectangle

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



45.9126, 0.2816, 0.2811



45.9126, 0.3284, 0.2984



45.9126, 0.3429, 0.3806



45.9126, 0.2956, 0.3628

Sweetspot

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



45.9145, 0.2816, 0.2811



88.5008, 0.3035, 0.3150



63.0249, 0.2864, 0.3331



18.6863, 0.3025, 0.3134



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.



45.9145, 0.2816, 0.2811



60.6217, 0.2738, 0.2690



46.8306, 0.2950, 0.2792



12.1541, 0.2981, 0.3067



3.2118, 0.1514, 0.0651



0.2463, 0.1557, 0.0804

Inverse Universe

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



48.4717, 0.3471, 0.3255



65.0994, 0.3569, 0.3247



64.3553, 0.3280, 0.3781



12.4355, 0.3280, 0.3273



8.6691, 0.6315, 0.3252



0.5282, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 45.9126, 0.2816, 0.2811 looks on a white background.

Color Contrast Check

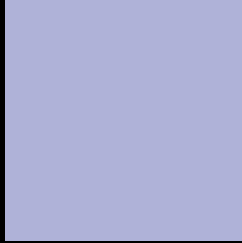
Large Text (above 18pt) WCAG AA × Fail

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 45.9126, 0.2816, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

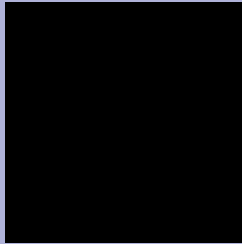
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9126, 0.2816, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 45.9126, 0.2816, 0.2811.



This preview shows how white text looks on a background with the Yxy color 45.9126, 0.2816, 0.2811.

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

45.9126, 0.2816, 0.2811

Protanopia

46.0206, 0.2787, 0.2810

Deuteranopia

45.7118, 0.2854, 0.2791



Tritanopia

46.0993, 0.2930, 0.3106

Trichromacy



Original Color

45.9126, 0.2816, 0.2811

Protanomaly

46.1342, 0.2795, 0.2811

Deuteranomaly

45.8671, 0.2839, 0.2802

Tritanomaly

46.1302, 0.2887, 0.3005

Monochromacy



Original Color

45.9126, 0.2816, 0.2811

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.1213, 0.3010, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9126, 0.2816, 0.2811 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(175, 178, 216)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 216)  
}
```

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(175, 178, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.9126, 0.2816, 0.2811 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(175, 178, 216) }
```

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

```
.border{ border-color:rgb(175, 178, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 216);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9126, 0.2816, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 216) }
```

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

```
.background{ background-color: rgb(175,  
178, 216) }
```

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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