

Converting Colors

$Y_{xy}(46.6876, 0.2930, 0.2972)$

Have a look what the booklet for
Yxy(46.6876, 0.2930, 0.2972)
contains.

Yxy(46.6340, 0.2927, 0.2972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6340, 0.2927, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	B3B4CD
RGB	179, 180, 205
RGB Percent	70%, 71%, 80%
CMY	0.2981, 0.2941, 0.1960
CMYK	0.13, 0.12, 0.00, 0.20
HSL	238°, 21%, 75%
HSV	238°, 13%, 80%
XYZ	45.9279, 46.6340, 64.3493
YIQ	182.5510, -8.6210, 7.5630

Conversions

Conversions Part 2

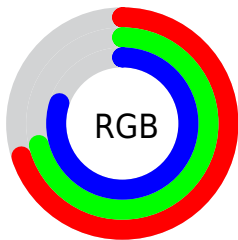
Format	Color
R _Y B	179, 180, 205
Decimal	11777229
CIE Lab	73.96, 4.62, -12.74
CIE LCh	74, 13.555, 289.931
Yxy	46.6340, 0.2927, 0.2972
Android (android.graphics.Color)	4289967309 (0xFFB3B4CD)
YUV	182.5510, 11.0674, -3.1142
Hunter-Lab	68.2891, 0.5445, -8.0670

Details

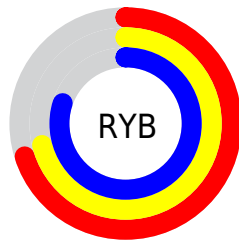
The Yxy color `46.6340, 0.2927, 0.2972` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `59.4123, 0.3317, 0.3589`, and the grayscale version is `47.0366, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.8731, 0.3006, 0.3099`, and `21.8487, 0.2867, 0.2876` is the 20% darker color. If you saturate the color by 10%, you get `36.9801, 0.2747, 0.2685`, and if you desaturate by 10%, it is `57.7837, 0.3087, 0.3227`.

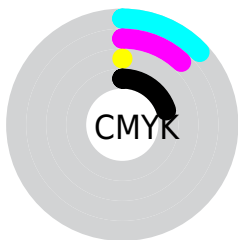
Distribution



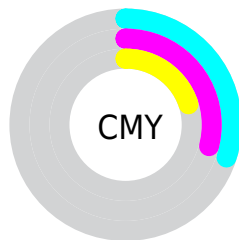
- Red (70%)
- Green (71%)
- Blue (80%)



- Red (70%)
- Yellow (71%)
- Blue (80%)



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (30%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6340, 0.2927, 0.2972 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 46.6340, 0.2927, 0.2972 by changing the saturation by 10% instead.

■ 46.6340, 0.2927,
0.2972

■ 46.6340, 0.2927,
0.2972

373.3517, 0.3027,
0.3129

■ 32.7464, 0.2902,
0.2934

■ 85.1670, 0.2963,
0.3028

■ 21.9323, 0.2870,
0.2885

110.5813, 0.2977,
0.3050

■ 13.8071, 0.2827,
0.2820

140.6065, 0.2989,
0.3068

■ 7.9866, 0.2768,
0.2732

175.6272, 0.2999,
0.3083

■ 4.0864, 0.2679,
0.2604

216.0276, 0.3007,
0.3097

■ 1.7220, 0.2535,
0.2400

262.1923, 0.3015,

■ 0.4378, 0.2210,

0.3109

0.1829

314.5055, 0.3021,
0.3119

0.0000, 0.0000,
0.0000

46.6340, 0.2927,
0.2972

46.6340, 0.2927,
0.2972

36.9801, 0.2747,
0.2685

57.7837, 0.3087,
0.3227

28.7530, 0.2551,
0.2368

70.4830, 0.3228,
0.3449

21.8867, 0.2342,
0.2030

84.7900, 0.3350,
0.3642

16.3078, 0.2132,
0.1685

97.1887, 0.3424,
0.3780

11.9362, 0.1932,
0.1354

■ 8.6825, 0.1758,
0.1062

■ 6.4451, 0.1624,
0.0833

■ 5.1041, 0.1540,
0.0683

■ 4.5859, 0.1506,
0.0622

Harmonies

Analogous

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



46.6340, 0.2804, 0.3005



46.6340, 0.2927, 0.2972



46.6340, 0.3106, 0.3019

Triad

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



46.6340, 0.2927, 0.2972



46.6340, 0.3503, 0.3447



46.6340, 0.2955, 0.3454

Complementary

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



46.6340, 0.2927, 0.2972



59.4123, 0.3317, 0.3589

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.



46.6340, 0.3139, 0.3582



46.6340, 0.2927, 0.2972



46.6340, 0.3458, 0.3572

Square

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



46.6340, 0.2927, 0.2972



46.6340, 0.3443, 0.3288



46.6340, 0.3324, 0.3625



46.6340, 0.2820, 0.3280

Rectangle

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



46.6340, 0.2927, 0.2972



46.6340, 0.3235, 0.3089



46.6340, 0.3324, 0.3625



46.6340, 0.3013, 0.3504

Sweetspot

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



46.6359, 0.2927, 0.2972



92.0262, 0.3067, 0.3194



57.5981, 0.2943, 0.3306



19.3864, 0.3055, 0.3176



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.



46.6359, 0.2927, 0.2972



72.2180, 0.2884, 0.2904



47.6749, 0.3022, 0.2968



10.9144, 0.2982, 0.3060



2.8873, 0.1508, 0.0628



0.1746, 0.1534, 0.0723

Inverse Universe

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



48.5070, 0.3347, 0.3278



75.8332, 0.3398, 0.3275



58.3019, 0.3222, 0.3610



11.2208, 0.3284, 0.3281



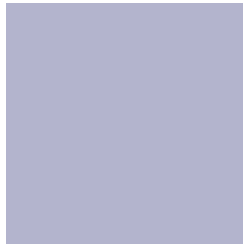
8.0945, 0.6353, 0.3273



0.4202, 0.6194, 0.3186

Previews

White Background



This preview shows how the Yxy color 46.6340, 0.2927, 0.2972 looks on a white background.

Color Contrast Check

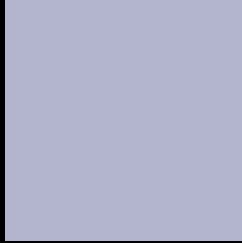
Large Text (above 18pt) WCAG AA × Fail

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 46.6340, 0.2927, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

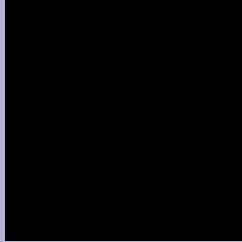
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6340, 0.2927, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 46.6340, 0.2927, 0.2972.



This preview shows how white text looks on a background with the Yxy color 46.6340, 0.2927, 0.2972.

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

46.6340, 0.2927, 0.2972

Protanopia

46.5153, 0.2919, 0.2971

Deuteranopia

46.5919, 0.2992, 0.2929



Tritanopia

46.7885, 0.2978, 0.3109

Trichromacy



Original Color

46.6340, 0.2927, 0.2972

Protanomaly

46.5153, 0.2919, 0.2971

Deuteranomaly

46.6113, 0.2968, 0.2939

Tritanomaly

46.6362, 0.2964, 0.3058

Monochromacy



Original Color

46.6340, 0.2927, 0.2972

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1626, 0.3057, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6340, 0.2927, 0.2972 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(179, 180, 205)` looks like.

```
.text, #text, p{  
    color:rgb(179, 180, 205)  
}
```

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(179, 180, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 180, 205) }
```

Border

The CSS property to change the border of an element to Yxy 46.6340, 0.2927, 0.2972 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(179, 180, 205) }
```

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

```
.border{ border-color:rgb(179, 180, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 180, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 180, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 180, 205);  
box-shadow:4px 4px 4px 4px rgb(179, 180,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6340, 0.2927, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 180, 205) }
```

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

```
.background{ background-color: rgb(179,  
180, 205) }
```

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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