

Converting Colors

$Y_{xy}(47.3175, 0.2986, 0.3122)$

Have a look what the booklet for
Yxy(47.3175, 0.2986, 0.3122)
contains.

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Color

Yxy(47.3175, 0.2986, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	B2B7C4
RGB	178, 183, 196
RGB Percent	70%, 72%, 77%
CMY	0.3020, 0.2823, 0.2313
CMYK	0.09, 0.07, 0.00, 0.23
HSL	223°, 13%, 73%
HSV	223°, 9%, 77%
XYZ	45.2563, 47.3175, 58.9877
YIQ	182.9870, -7.1530, 2.9830

Conversions

Conversions Part 2

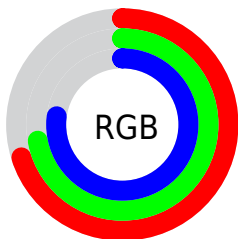
Format	Color
R_{YB}	178, 182, 196
Decimal	11712452
CIE _{Lab}	74.39, 0.81, -7.19
CIE _{LCh}	74, 7.238, 276.456
Yxy	47.3175, 0.2986, 0.3122
Android (android.graphics.Color)	4289902532 (0xFFB2B7C4)
YUV	182.9870, 6.4154, -4.3736
Hunter-Lab	68.7877, -2.9412, -2.6917

Details

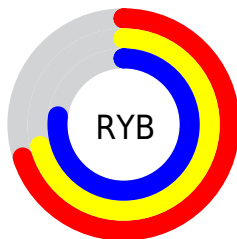
The Yxy color $47.3175, 0.2986, 0.3122$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $52.2149, 0.3269, 0.3453$, and the grayscale version is $47.3137, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.3173, 0.3011, 0.3149$, and $22.2782, 0.2946, 0.3078$ is the 20% darker color. If you saturate the color by 10%, you get $39.6198, 0.2821, 0.2918$, and if you desaturate by 10%, it is $55.9368, 0.3139, 0.3304$.

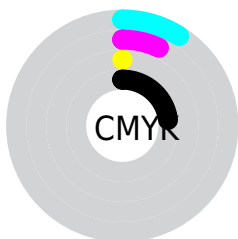
Distribution



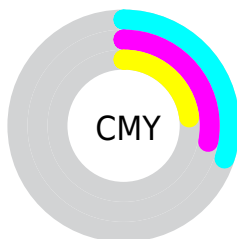
- Red (70%)
- Green (72%)
- Blue (77%)



- Red (70%)
- Yellow (71%)
- Blue (77%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (30%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3175, 0.2986, 0.3122 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 47.3175, 0.2986, 0.3122 by changing the saturation by 10% instead.

■ 47.3175, 0.2986,
0.3122

■ 47.3175, 0.2986,
0.3122

376.0804, 0.3056,
0.3206

■ 33.2867, 0.2969,
0.3101

■ 86.1874, 0.3012,
0.3152

■ 22.3462, 0.2946,
0.3075

111.7952, 0.3021,
0.3164

■ 14.1115, 0.2916,
0.3040

142.0309, 0.3029,
0.3173

■ 8.1983, 0.2875,
0.2991

177.2788, 0.3036,
0.3182

■ 4.2221, 0.2813,
0.2919

217.9233, 0.3042,
0.3189

■ 1.7985, 0.2712,
0.2801

264.3488, 0.3048,

■ 0.4863, 0.2408,

0.3195

0.2429

316.9397, 0.3052,
0.3201

0.0000, 0.0000,
0.0000

47.3175, 0.2986,
0.3122

47.3175, 0.2986,
0.3122

39.6198, 0.2821,
0.2918

55.9368, 0.3139,
0.3304

32.8065, 0.2645,
0.2691

65.5014, 0.3279,
0.3463

26.8466, 0.2462,
0.2443

76.0416, 0.3405,
0.3603

21.7050, 0.2278,
0.2179

87.3194, 0.3510,
0.3726

17.3438, 0.2098,
0.1905

95.9541, 0.3480,
0.3858

■ 13.7222, 0.1933,
0.1634

■ 96.7667, 0.3478,
0.3870

■ 10.7950, 0.1791,
0.1377

■ 8.5112, 0.1679,
0.1147

■ 6.7981, 0.1601,
0.0956

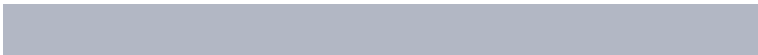
Harmonies

Analogous

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



47.3175, 0.2938, 0.3161



47.3175, 0.2986, 0.3122



47.3175, 0.3072, 0.3127

Triad

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



47.3175, 0.2986, 0.3122



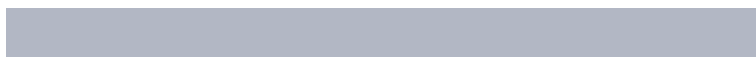
47.3175, 0.3318, 0.3339



47.3175, 0.3079, 0.3411

Complementary

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



47.3175, 0.2986, 0.3122



52.2149, 0.3269, 0.3453

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.



47.3175, 0.3180, 0.3459



47.3175, 0.2986, 0.3122



47.3175, 0.3320, 0.3416

Square

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



47.3175, 0.2986, 0.3122



47.3175, 0.3264, 0.3251



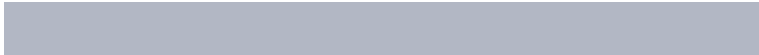
47.3175, 0.3269, 0.3461



47.3175, 0.2991, 0.3328

Rectangle

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



47.3175, 0.2986, 0.3122



47.3175, 0.3140, 0.3154



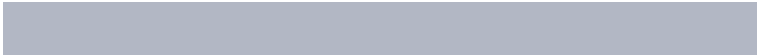
47.3175, 0.3269, 0.3461



47.3175, 0.3112, 0.3432

Sweetspot

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



47.3195, 0.2986, 0.3122



95.1068, 0.3082, 0.3237



52.7125, 0.3023, 0.3355



20.0826, 0.3069, 0.3222



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.



47.3195, 0.2986, 0.3122



82.8235, 0.2954, 0.3084



45.7519, 0.3018, 0.3058



10.1945, 0.2984, 0.3119



4.4182, 0.1602, 0.0965



0.3111, 0.1730, 0.1428

Inverse Universe

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



46.9919, 0.3244, 0.3227



82.1553, 0.3272, 0.3213



53.9273, 0.3230, 0.3516



10.1230, 0.3246, 0.3226



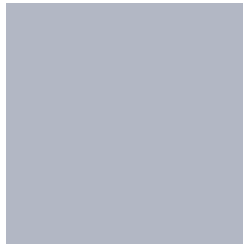
7.7283, 0.5811, 0.2975



0.3460, 0.5153, 0.2612

Previews

White Background



This preview shows how the Yxy color 47.3175, 0.2986, 0.3122 looks on a white background.

Color Contrast Check

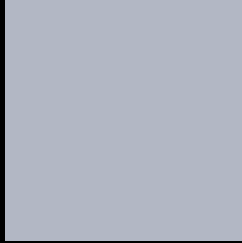
Large Text (above 18pt) WCAG AA × Fail

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 47.3175, 0.2986, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

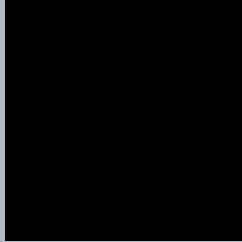
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

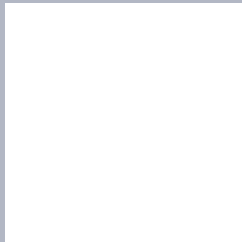
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3175, 0.2986, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 47.3175, 0.2986, 0.3122.

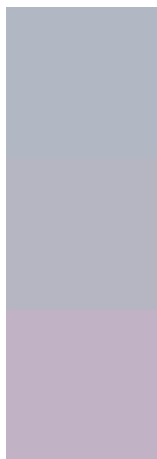


This preview shows how white text looks on a background with the Yxy color 47.3175, 0.2986, 0.3122.

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

47.3175, 0.2986, 0.3122

Protanopia

47.3411, 0.3026, 0.3124

Deuteranopia

47.3413, 0.3113, 0.3054



Tritanopia

47.3632, 0.2979, 0.3110

Trichromacy



Original Color

47.3175, 0.2986, 0.3122

Protanomaly

47.2198, 0.3018, 0.3123

Deuteranomaly

47.3651, 0.3061, 0.3076

Tritanomaly

47.3632, 0.2979, 0.3110

Monochromacy



Original Color

47.3175, 0.2986, 0.3122

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.3216, 0.3072, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3175, 0.2986, 0.3122 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(178, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(178, 183, 196)  
}
```

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(178, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 183, 196) }
```

Border

The CSS property to change the border of an element to Yxy 47.3175, 0.2986, 0.3122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

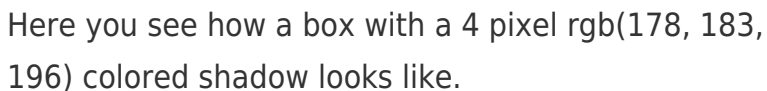
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 183, 196) }
```

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

```
.border{ border-color:rgb(178, 183, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(178, 183,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3175, 0.2986, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 183, 196) }
```

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

```
.background{ background-color: rgb(178,  
183, 196) }
```

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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