

Converting Colors

$Y_{xy}(46.9575, 0.2991, 0.3174)$

Have a look what the booklet for
Yxy(46.9575, 0.2991, 0.3174)
contains.

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Color

Yxy(46.7867, 0.2992, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	AFB7C0
RGB	175, 183, 192
RGB Percent	69%, 72%, 75%
CMY	0.3136, 0.2824, 0.2470
CMYK	0.09, 0.05, 0.00, 0.25
HSL	212°, 12%, 72%
HSV	212°, 9%, 75%
XYZ	44.1317, 46.7867, 56.5806
YIQ	181.6340, -7.6570, 1.1030

Conversions

Conversions Part 2

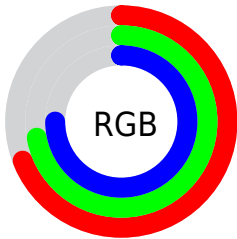
Format	Color
RYB	175, 180, 192
Decimal	11515840
CIELab	74.05, -0.98, -5.53
CIELCh	74, 5.616, 259.899
Yxy	46.7867, 0.2992, 0.3172
Android (android.graphics.Color)	4289705920 (0xFFAFB7C0)
YUV	181.6340, 5.1104, -5.8180
Hunter-Lab	68.4008, -4.5345, -1.1637

Details

The Yxy color $46.7867, 0.2992, 0.3172$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.6014, 0.3267, 0.3405$, and the grayscale version is $46.5476, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.4992, 0.3021, 0.3198$, and $22.0403, 0.2955, 0.3129$ is the 20% darker color. If you saturate the color by 10%, you get $40.6698, 0.2833, 0.3024$, and if you desaturate by 10%, it is $53.5278, 0.3144, 0.3304$.

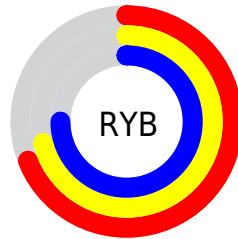
Distribution



Red (69%)

Green (72%)

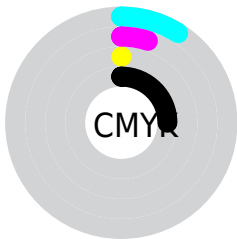
Blue (75%)



Red (69%)

Yellow (71%)

Blue (75%)

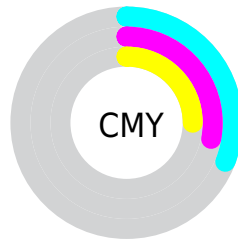


Cyan (9%)

Magenta (5%)

Yellow (0%)

Black (25%)



Cyan (31%)

Magenta (28%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7867, 0.2992, 0.3172 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 46.7867, 0.2992, 0.3172 by changing the saturation by 10% instead.

■ 46.7867, 0.2992,
0.3172

■ 46.7867, 0.2992,
0.3172

373.9625, 0.3059,
0.3231

■ 32.8671, 0.2975,
0.3157

■ 85.3951, 0.3016,
0.3193

■ 22.0246, 0.2954,
0.3138

110.8527, 0.3026,
0.3202

■ 13.8750, 0.2925,
0.3113

140.9251, 0.3033,
0.3208

■ 8.0338, 0.2885,
0.3078

175.9967, 0.3040,
0.3214

■ 4.1166, 0.2826,
0.3025

216.4518, 0.3046,
0.3219

■ 1.7390, 0.2728,
0.2937

262.6749, 0.3051,

■ 0.4487, 0.2331,

0.3224

0.2599

315.0503, 0.3055,
0.3228

0.0000, 0.0000,
0.0000

46.7867, 0.2992,
0.3172

46.7867, 0.2992,
0.3172

40.6698, 0.2833,
0.3024

53.5278, 0.3144,
0.3304

35.1516, 0.2669,
0.2861

60.9059, 0.3288,
0.3422

30.2131, 0.2504,
0.2682

68.9407, 0.3423,
0.3526

25.8323, 0.2342,
0.2491

77.6494, 0.3549,
0.3617

21.9852, 0.2188,
0.2290

83.8804, 0.3549,
0.3713

■ 18.6459, 0.2047,
0.2084

■ 89.8484, 0.3526,
0.3810

■ 15.7856, 0.1925,
0.1879

■ 96.1555, 0.3503,
0.3903

■ 13.3713, 0.1826,
0.1680

■ 96.5863, 0.3502,
0.3909

■ 11.3527, 0.1751,
0.1493

Harmonies

Analogous

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



46.7867, 0.2975, 0.3220



46.7867, 0.2992, 0.3172



46.7867, 0.3044, 0.3156

Triad

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



46.7867, 0.2992, 0.3172



46.7867, 0.3257, 0.3291



46.7867, 0.3133, 0.3409

Complementary

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



46.7867, 0.2992, 0.3172



48.6014, 0.3267, 0.3405

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.



46.7867, 0.3209, 0.3427



46.7867, 0.2992, 0.3172



46.7867, 0.3281, 0.3358

Square

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



46.7867, 0.2992, 0.3172



46.7867, 0.3198, 0.3224



46.7867, 0.3264, 0.3408



46.7867, 0.3057, 0.3357

Rectangle

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



46.7867, 0.2992, 0.3172



46.7867, 0.3093, 0.3165



46.7867, 0.3264, 0.3408



46.7867, 0.3160, 0.3419

Sweetspot

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



46.7887, 0.2992, 0.3172



91.7083, 0.3081, 0.3251



50.2739, 0.3052, 0.3397



19.4613, 0.3069, 0.3240



97.7402, 0.3127, 0.3290



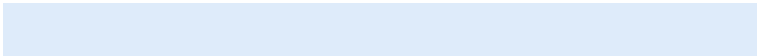
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.7887, 0.2992, 0.3172



82.0862, 0.2955, 0.3139



43.6247, 0.2994, 0.3066



10.5100, 0.2984, 0.3165



7.6472, 0.1749, 0.1495



0.4683, 0.1867, 0.1919

Inverse Universe

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



45.2958, 0.3212, 0.3189



78.7829, 0.3236, 0.3161



51.9722, 0.3255, 0.3505



10.1548, 0.3217, 0.3182



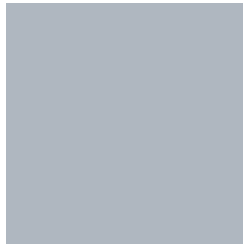
8.0542, 0.5066, 0.2564



0.3619, 0.4545, 0.2278

Previews

White Background



This preview shows how the Yxy color 46.7867, 0.2992, 0.3172 looks on a white background.

Color Contrast Check

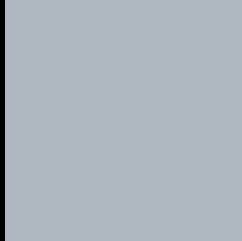
Large Text (above 18pt) WCAG AA × Fail

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 46.7867, 0.2992, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

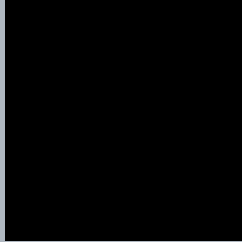
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

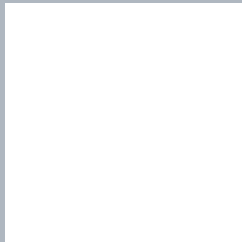
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7867, 0.2992, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 46.7867, 0.2992, 0.3172.



This preview shows how white text looks on a background with the Yxy color 46.7867, 0.2992, 0.3172.

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

46.7867, 0.2992, 0.3172

Protanopia

46.8766, 0.3066, 0.3161

Deuteranopia

46.7639, 0.3145, 0.3090



Tritanopia

46.7172, 0.2963, 0.3096

Trichromacy



Original Color

46.7867, 0.2992, 0.3172

Protanomaly

46.9208, 0.3040, 0.3173

Deuteranomaly

46.6553, 0.3084, 0.3112

Tritanomaly

46.6261, 0.2978, 0.3121

Monochromacy



Original Color

46.7867, 0.2992, 0.3172

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5848, 0.3071, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7867, 0.2992, 0.3172 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, 183, 192)` looks like.

```
.text, #text, p{  
    color:rgb(175, 183, 192)  
}
```

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, 183, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 183, 192) }
```

Border

The CSS property to change the border of an element to Yxy 46.7867, 0.2992, 0.3172 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, 183, 192) }
```

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

```
.border{ border-color:rgb(175, 183, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 183, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 183, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 183, 192);  
box-shadow:4px 4px 4px 4px rgb(175, 183,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7867, 0.2992, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 183, 192) }
```

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

```
.background{ background-color: rgb(175,  
183, 192) }
```

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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