

Converting Colors

$Y_{xy}(47.7742, 0.2936, 0.3147)$

Have a look what the booklet for
Yxy(47.7742, 0.2936, 0.3147)
contains.

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Color

Yxy(47.9197, 0.2932, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	ACBAC5
RGB	172, 186, 197
RGB Percent	67%, 73%, 77%
CMY	0.3255, 0.2705, 0.2275
CMYK	0.13, 0.06, 0.00, 0.23
HSL	206°, 18%, 72%
HSV	206°, 13%, 77%
XYZ	44.6459, 47.9197, 59.7055
YIQ	183.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

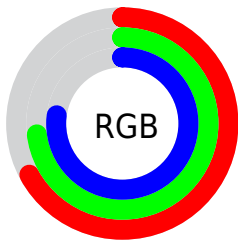
Format	Color
R _Y B	172, 181, 197
Decimal	11320005
CIE Lab	74.77, -2.60, -7.19
CIE LCh	75, 7.646, 250.158
Yxy	47.9197, 0.2932, 0.3147
Android (android.graphics.Color)	4289510085 (0xFFACBAC5)
YUV	183.0680, 6.8685, -9.7066
Hunter-Lab	69.2241, -6.0190, -2.6806

Details

The Yxy color $47.9197, 0.2932, 0.3147$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.6941, 0.3337, 0.3429$, and the grayscale version is $47.3590, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.1540, 0.2968, 0.3168$, and $22.7513, 0.2885, 0.3112$ is the 20% darker color. If you saturate the color by 10%, you get $42.3225, 0.2774, 0.3020$, and if you desaturate by 10%, it is $54.0717, 0.3087, 0.3261$.

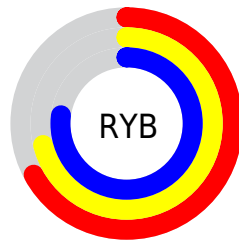
Distribution



Red (67%)

Green (73%)

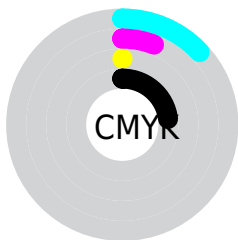
Blue (77%)



Red (67%)

Yellow (71%)

Blue (77%)

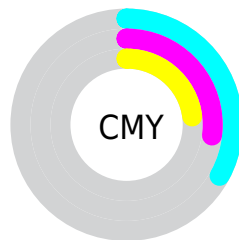


Cyan (13%)

Magenta (6%)

Yellow (0%)

Black (23%)



Cyan (33%)

Magenta (27%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9197, 0.2932, 0.3147 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 47.9197, 0.2932, 0.3147 by changing the saturation by 10% instead.

■ 47.9197, 0.2932,
0.3147

■ 47.9197, 0.2932,
0.3147

378.4737, 0.3029,
0.3219

■ 33.7633, 0.2908,
0.3129

■ 87.0848, 0.2967,
0.3173

■ 22.7118, 0.2878,
0.3106

112.8624, 0.2980,
0.3183

■ 14.3809, 0.2837,
0.3076

143.2824, 0.2991,
0.3191

■ 8.3860, 0.2782,
0.3033

178.7293, 0.3001,
0.3198

■ 4.3429, 0.2699,
0.2970

219.5875, 0.3009,
0.3204

■ 1.8672, 0.2567,
0.2865

266.2414, 0.3016,

■ 0.5285, 0.2141,

0.3210

0.2578

319.0753, 0.3023,
0.3214

0.0000, 0.0000,
0.0000

47.9197, 0.2932,
0.3147

47.9197, 0.2932,
0.3147

42.3225, 0.2774,
0.3020

54.0717, 0.3087,
0.3261

37.2556, 0.2616,
0.2881

60.7897, 0.3236,
0.3364

32.7017, 0.2460,
0.2731

68.0924, 0.3378,
0.3454

28.6396, 0.2312,
0.2572

75.9953, 0.3513,
0.3534

25.0468, 0.2175,
0.2405

81.4591, 0.3526,
0.3617

■ 21.8980, 0.2054,
0.2234

■ 86.3696, 0.3507,
0.3701

■ 19.1650, 0.1953,
0.2064

■ 91.5218, 0.3489,
0.3782

■ 16.8146, 0.1874,
0.1898

■ 96.8102, 0.3472,
0.3860

■ 15.2963, 0.1828,
0.1780

Harmonies

Analogous

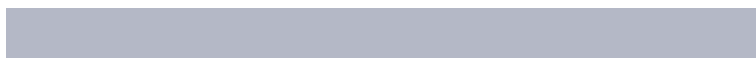
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9197, 0.2927, 0.3222



47.9197, 0.2932, 0.3147



47.9197, 0.2988, 0.3111

Triad

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



47.9197, 0.2932, 0.3147



47.9197, 0.3281, 0.3260



47.9197, 0.3170, 0.3465

Complementary

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



47.9197, 0.2932, 0.3147



48.6941, 0.3337, 0.3429

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.



47.9197, 0.3266, 0.3472



47.9197, 0.2932, 0.3147



47.9197, 0.3331, 0.3353

Square

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



47.9197, 0.2932, 0.3147



47.9197, 0.3189, 0.3177



47.9197, 0.3326, 0.3431



47.9197, 0.3064, 0.3408

Rectangle

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



47.9197, 0.2932, 0.3147



47.9197, 0.3048, 0.3114



47.9197, 0.3326, 0.3431



47.9197, 0.3205, 0.3473

Sweetspot

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



47.9217, 0.2932, 0.3147



95.2935, 0.3066, 0.3246



52.1030, 0.3034, 0.3474



20.2113, 0.3054, 0.3238



0.0000, 0.0000, 0.0000



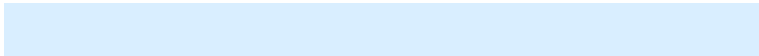
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9217, 0.2932, 0.3147



83.2065, 0.2892, 0.3116



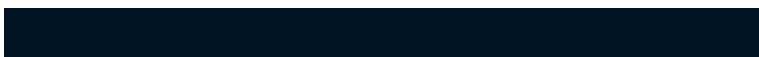
42.9383, 0.2928, 0.2982



11.2582, 0.2983, 0.3186



10.2323, 0.1834, 0.1801



0.6270, 0.1928, 0.2141

Inverse Universe

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



44.9135, 0.3234, 0.3114



76.9425, 0.3258, 0.3078



54.0155, 0.3317, 0.3580



10.7349, 0.3204, 0.3161



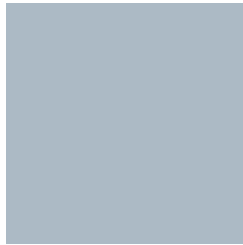
8.5729, 0.4684, 0.2354



0.4203, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 47.9197, 0.2932, 0.3147 looks on a white background.

Color Contrast Check

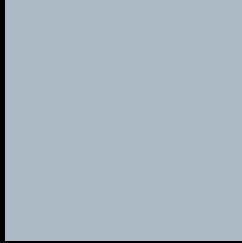
Large Text (above 18pt) WCAG AA × Fail

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 47.9197, 0.2932, 0.3147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

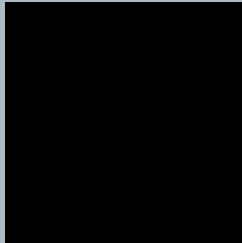
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

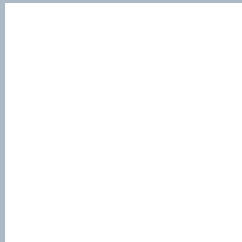
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9197, 0.2932, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 47.9197, 0.2932, 0.3147.

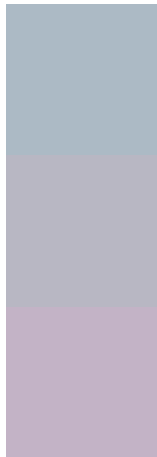


This preview shows how white text looks on a background with the Yxy color 47.9197, 0.2932, 0.3147.

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

47.9197, 0.2932, 0.3147

Protanopia

47.9975, 0.3043, 0.3137

Deuteranopia

47.9195, 0.3113, 0.3055



Tritanopia

47.7523, 0.2918, 0.3096

Trichromacy



Original Color

47.9197, 0.2932, 0.3147

Protanomaly

47.9698, 0.3003, 0.3136

Deuteranomaly

48.0979, 0.3045, 0.3089

Tritanomaly

47.7057, 0.2925, 0.3108

Monochromacy



Original Color

47.9197, 0.2932, 0.3147

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4955, 0.3055, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9197, 0.2932, 0.3147 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(172, 186, 197)` looks like.

```
.text, #text, p{  
    color:rgb(172, 186, 197)  
}
```

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(172, 186, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 186, 197) }
```

Border

The CSS property to change the border of an element to Yxy 47.9197, 0.2932, 0.3147 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(172, 186, 197) }
```

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

```
.border{ border-color:rgb(172, 186, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 186, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 186, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 186, 197);  
box-shadow:4px 4px 4px 4px rgb(172, 186,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9197, 0.2932, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 186, 197) }
```

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

```
.background{ background-color: rgb(172,  
186, 197) }
```

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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