

Converting Colors

$Yxy(49.6617, 0.2699, 0.2931)$

Have a look what the booklet for
Yxy(49.6617, 0.2699, 0.2931)
contains.

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Color

Yxy(49.8497, 0.2701, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	A0BFDB
RGB	160, 191, 219
RGB Percent	63%, 75%, 86%
CMY	0.3727, 0.2509, 0.1413
CMYK	0.27, 0.13, 0.00, 0.14
HSL	208°, 45%, 74%
HSV	208°, 27%, 86%
XYZ	45.9066, 49.8497, 74.2052
YIQ	184.9230, -27.4640, 2.1360

Conversions

Conversions Part 2

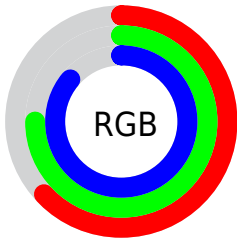
Format	Color
RYB	160, 180, 219
Decimal	10534875
CIELab	75.98, -4.15, -17.42
CIELCh	76, 17.911, 256.587
Yxy	49.8497, 0.2701, 0.2933
Android (android.graphics.Color)	4288724955 (0xFFA0BFDB)
YUV	184.9230, 16.8000, -21.8575
Hunter-Lab	70.6043, -7.4977, -12.8908

Details

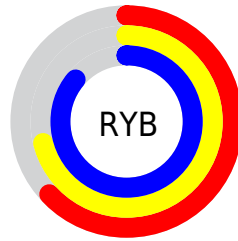
The Yxy color $49.8497, 0.2701, 0.2933$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $53.5309, 0.3621, 0.3622$, and the grayscale version is $48.3844, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.3405, 0.2891, 0.3207$, and $23.9831, 0.2588, 0.2840$ is the 20% darker color. If you saturate the color by 10%, you get $43.4233, 0.2539, 0.2776$, and if you desaturate by 10%, it is $56.9982, 0.2862, 0.3077$.

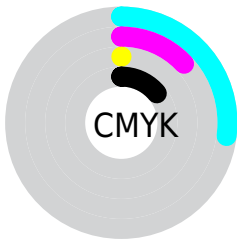
Distribution



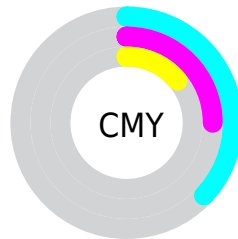
- Red (63%)
- Green (75%)
- Blue (86%)



- Red (63%)
- Yellow (71%)
- Blue (86%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (37%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8497, 0.2701, 0.2933 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 49.8497, 0.2701, 0.2933 by changing the saturation by 10% instead.

■ 49.8497, 0.2701,
0.2933

■ 49.8497, 0.2701,
0.2933

■ 386.0779, 0.2909,
0.3110

■ 35.2940, 0.2651,
0.2890

■ 89.9521, 0.2775,
0.2997

■ 23.8894, 0.2588,
0.2835

■ 116.2677, 0.2803,
0.3021

■ 15.2516, 0.2505,
0.2763

■ 147.2719, 0.2828,
0.3041

■ 8.9962, 0.2394,
0.2664

■ 183.3493, 0.2848,
0.3059

■ 4.7387, 0.2235,
0.2521

■ 224.8842, 0.2866,
0.3074

■ 2.0948, 0.1994,
0.2300

■ 272.2610, 0.2882,

■ 0.6617, 0.1510,

0.3087

0.1895

325.8641, 0.2896,
0.3099

0.0000, 0.0000,
0.0000

49.8497, 0.2701,
0.2933

49.8497, 0.2701,
0.2933

43.4233, 0.2539,
0.2776

56.9982, 0.2862,
0.3077

37.6856, 0.2382,
0.2607

64.8887, 0.3021,
0.3208

32.6091, 0.2232,
0.2428

73.5472, 0.3173,
0.3324

28.1614, 0.2096,
0.2243

82.9970, 0.3318,
0.3428

24.3068, 0.1978,
0.2057

90.4143, 0.3356,
0.3527

■ 21.0043, 0.1883,
0.1875

■ 96.7984, 0.3342,
0.3625

■ 18.2023, 0.1811,
0.1700

■ 97.8934, 0.3340,
0.3641

■ 17.4230, 0.1791,
0.1648

Harmonies

Analogous

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



49.8497, 0.2665, 0.3083



49.8497, 0.2701, 0.2933



49.8497, 0.2847, 0.2882

Triad

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



49.8497, 0.2701, 0.2933



49.8497, 0.3520, 0.3261



49.8497, 0.3168, 0.3684

Complementary

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



49.8497, 0.2701, 0.2933



53.5309, 0.3621, 0.3622

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.



49.8497, 0.3403, 0.3723



49.8497, 0.2701, 0.2933



49.8497, 0.3612, 0.3467

Square

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



49.8497, 0.2701, 0.2933



49.8497, 0.3319, 0.3069



49.8497, 0.3568, 0.3638



49.8497, 0.2929, 0.3526

Rectangle

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



49.8497, 0.2701, 0.2933



49.8497, 0.2990, 0.2905



49.8497, 0.3568, 0.3638



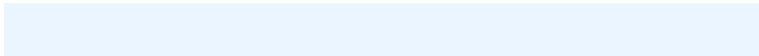
49.8497, 0.3250, 0.3711

Sweetspot

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



49.8517, 0.2701, 0.2933



90.3206, 0.3003, 0.3194



61.7320, 0.2921, 0.3692



18.9596, 0.2979, 0.3174



0.0000, 0.0000, 0.0000



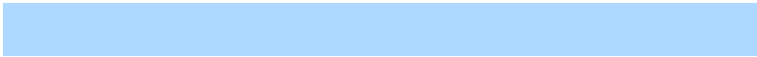
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8517, 0.2701, 0.2933



65.4319, 0.2615, 0.2851



38.4010, 0.2663, 0.2545



13.7454, 0.2982, 0.3176



10.5543, 0.1798, 0.1673



0.8559, 0.1877, 0.1957

Inverse Universe

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



43.9493, 0.3407, 0.2926



56.2758, 0.3480, 0.2851



67.2258, 0.3538, 0.3940



13.1654, 0.3210, 0.3168



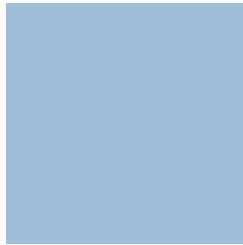
9.6892, 0.4839, 0.2440



0.6451, 0.4502, 0.2253

Previews

White Background



This preview shows how the Yxy color 49.8497, 0.2701, 0.2933 looks on a white background.

Color Contrast Check

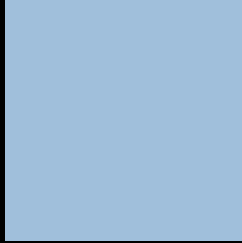
Large Text (above 18pt) WCAG AA × Fail

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 49.8497, 0.2701, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

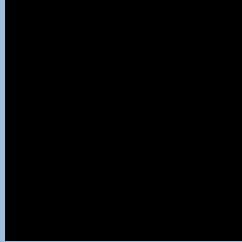
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

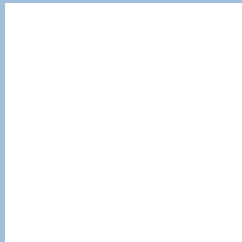
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8497, 0.2701, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 49.8497, 0.2701, 0.2933.



This preview shows how white text looks on a background with the Yxy color 49.8497, 0.2701, 0.2933.

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

49.8497, 0.2701, 0.2933

Protanopia

49.5493, 0.2881, 0.2919

Deuteranopia

49.9062, 0.2892, 0.2832



Tritanopia

49.9631, 0.2759, 0.3094

Trichromacy



Original Color

49.8497, 0.2701, 0.2933

Protanomaly

49.4972, 0.2816, 0.2927

Deuteranomaly

49.7501, 0.2818, 0.2870

Tritanomaly

49.8237, 0.2739, 0.3031

Monochromacy



Original Color

49.8497, 0.2701, 0.2933

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8020, 0.2964, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8497, 0.2701, 0.2933 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(160, 191, 219)` looks like.

```
.text, #text, p{  
    color:rgb(160, 191, 219)  
}
```

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(160, 191, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 191, 219) }
```

Border

The CSS property to change the border of an element to Yxy 49.8497, 0.2701, 0.2933 is called "border". The border property can be set on classes, ids or directly on the HTML element.

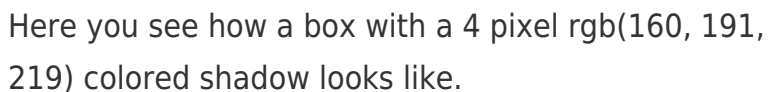
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 191, 219) }
```

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

```
.border{ border-color:rgb(160, 191, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 191, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 191, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 191, 219); box-shadow:4px 4px 4px 4px rgb(160, 191, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8497, 0.2701, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 191, 219) }
```

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

```
.background{ background-color: rgb(160,  
191, 219) }
```

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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