

Converting Colors

$Y_{xy}(49.7060, 0.2701, 0.2680)$

Have a look what the booklet for
Yxy(49.7060, 0.2701, 0.2680)
contains.

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Color

Yxy(49.9262, 0.2705, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	B0B9EB
RGB	176, 185, 235
RGB Percent	69%, 73%, 92%
CMY	0.3099, 0.2745, 0.0785
CMYK	0.25, 0.21, 0.00, 0.08
HSL	231°, 60%, 81%
HSV	231°, 25%, 92%
XYZ	50.2420, 49.9262, 85.5692
YIQ	188.0090, -21.4140, 13.6420

Conversions

Conversions Part 2

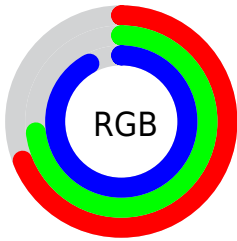
Format	Color
R _Y B	176, 184, 235
Decimal	11581931
CIE Lab	76.02, 7.62, -25.90
CIE LCh	76, 27.001, 286.397
Yxy	49.9262, 0.2705, 0.2688
Android (android.graphics.Color)	4289772011 (0xFFB0B9EB)
YUV	188.0090, 23.1666, -10.5319
Hunter-Lab	70.6585, 3.2707, -22.3408

Details

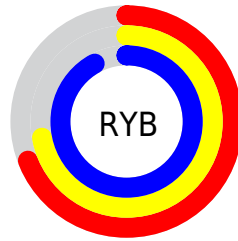
The Yxy color **49.9262, 0.2705, 0.2688** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.1533, 0.3528, 0.3828**, and the grayscale version is **50.1687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2864, 0.2987, 0.3149**, and **23.8948, 0.2589, 0.2534** is the 20% darker color. If you saturate the color by 10%, you get **39.6706, 0.2512, 0.2401**, and if you desaturate by 10%, it is **61.8251, 0.2885, 0.2949**.

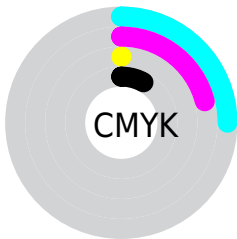
Distribution



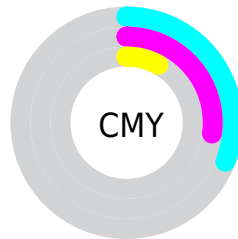
- Red (69%)
- Green (73%)
- Blue (92%)



- Red (69%)
- Yellow (72%)
- Blue (92%)



- Cyan (25%)
- Magenta (21%)
- Yellow (0%)
- Black (8%)



- Cyan (31%)
- Magenta (27%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9262, 0.2705, 0.2688 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 49.9262, 0.2705, 0.2688 by changing the saturation by 10% instead.

■ 49.9262, 0.2705,
0.2688

■ 49.9262, 0.2705,
0.2688

■ 386.3773, 0.2912,
0.2976

■ 35.3548, 0.2655,
0.2620

■ 90.0655, 0.2779,
0.2790

■ 23.9363, 0.2592,
0.2535

■ 116.4022, 0.2807,
0.2829

■ 15.2864, 0.2509,
0.2426

■ 147.4294, 0.2831,
0.2862

■ 9.0206, 0.2398,
0.2282

■ 183.5315, 0.2852,
0.2891

■ 4.7546, 0.2241,
0.2084

■ 225.0930, 0.2870,
0.2917

■ 2.1040, 0.2005,
0.1796

■ 272.4982, 0.2886,

■ 0.6669, 0.1629,

0.2939

0.1325

326.1315, 0.2900,
0.2959

0.0000, 0.0000,
0.0000

49.9262, 0.2705,
0.2688

49.9262, 0.2705,
0.2688

39.6706, 0.2512,
0.2401

61.8251, 0.2885,
0.2949

30.9796, 0.2312,
0.2094

75.4293, 0.3050,
0.3182

23.7774, 0.2113,
0.1778

90.8048, 0.3197,
0.3387

17.9788, 0.1926,
0.1469

98.7769, 0.3244,
0.3483

13.4904, 0.1764,
0.1187

■ 10.2064, 0.1639,
0.0950

■ 8.0039, 0.1558,
0.0774

■ 7.2582, 0.1531,
0.0711

Harmonies

Analogous

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



49.9262, 0.2495, 0.2756



49.9262, 0.2705, 0.2688



49.9262, 0.3036, 0.2765

Triad

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



49.9262, 0.2705, 0.2688



49.9262, 0.3862, 0.3540



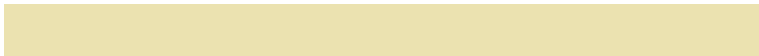
49.9262, 0.2828, 0.3653

Complementary

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



49.9262, 0.2705, 0.2688



75.1533, 0.3528, 0.3828

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.



49.9262, 0.3184, 0.3898



49.9262, 0.2705, 0.2688



49.9262, 0.3791, 0.3803

Square

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



49.9262, 0.2705, 0.2688



49.9262, 0.3721, 0.3238



49.9262, 0.3538, 0.3945



49.9262, 0.2562, 0.3301

Rectangle

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



49.9262, 0.2705, 0.2688



49.9262, 0.3288, 0.2885



49.9262, 0.3538, 0.3945



49.9262, 0.2940, 0.3753

Sweetspot

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



49.9282, 0.2705, 0.2688



85.8030, 0.3003, 0.3117



74.0762, 0.2812, 0.3403



17.8267, 0.2979, 0.3082



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.



49.9282, 0.2705, 0.2688



53.6654, 0.2609, 0.2547



48.7267, 0.2843, 0.2604



14.9213, 0.2980, 0.3084



4.1561, 0.1536, 0.0729



0.4402, 0.1596, 0.0944

Inverse Universe

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



52.2036, 0.3577, 0.3190



57.0273, 0.3700, 0.3169



77.0326, 0.3364, 0.3947



15.0917, 0.3269, 0.3254



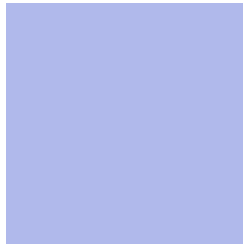
9.9124, 0.6184, 0.3181



0.7899, 0.5844, 0.2993

Previews

White Background



This preview shows how the Yxy color 49.9262, 0.2705, 0.2688 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 49.9262, 0.2705, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

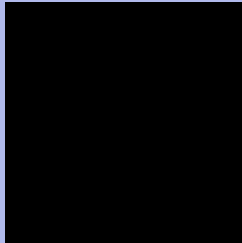
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9262, 0.2705, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 49.9262, 0.2705, 0.2688.



This preview shows how white text looks on a background with the Yxy color 49.9262, 0.2705, 0.2688.

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

49.9262, 0.2705, 0.2688

Protanopia

49.8100, 0.2698, 0.2687

Deuteranopia

50.1029, 0.2740, 0.2681



Tritanopia

49.7807, 0.2863, 0.3097

Trichromacy



Original Color

49.9262, 0.2705, 0.2688

Protanomaly

49.8100, 0.2698, 0.2687

Deuteranomaly

49.8628, 0.2725, 0.2679

Tritanomaly

49.6950, 0.2802, 0.2938

Monochromacy



Original Color

49.9262, 0.2705, 0.2688

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.1388, 0.2969, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9262, 0.2705, 0.2688 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(176, 185, 235)` looks like.

```
.text, #text, p{  
    color:rgb(176, 185, 235)  
}
```

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(176, 185, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 185, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.9262, 0.2705, 0.2688 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(176, 185, 235) }
```

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

```
.border{ border-color:rgb(176, 185, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 185, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 185, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 185, 235);  
box-shadow:4px 4px 4px 4px rgb(176, 185,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9262, 0.2705, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 185, 235) }
```

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

```
.background{ background-color: rgb(176,  
185, 235) }
```

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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