

Converting Colors

$Yxy(49.6948, 0.2691, 0.2685)$

Have a look what the booklet for
Yxy(49.6948, 0.2691, 0.2685)
contains.

Yxy(49.6948, 0.2691, 0.2685)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.6948, 0.2691, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	AEB9EB
RGB	174, 185, 235
RGB Percent	68%, 73%, 92%
CMY	0.3176, 0.2745, 0.0783
CMYK	0.26, 0.21, 0.00, 0.08
HSL	229°, 60%, 80%
HSV	229°, 26%, 92%
XYZ	49.8058, 49.6948, 85.5824
YIQ	187.4110, -22.6060, 13.2180

Conversions

Conversions Part 2

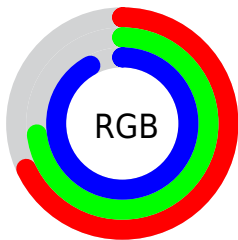
Format	Color
R_{YB}	174, 183, 235
Decimal	11450859
CIE Lab	75.88, 7.06, -26.16
CIE LCh	76, 27.095, 285.110
Yxy	49.6948, 0.2691, 0.2685
Android (android.graphics.Color)	4289640939 (0xFFAEB9EB)
YUV	187.4110, 23.4614, -11.7614
Hunter-Lab	70.4945, 2.7485, -22.6336

Details

The Yxy color $49.6948, 0.2691, 0.2685$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $74.0623, 0.3546, 0.3830$, and the grayscale version is $49.8160, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.9536, 0.2974, 0.3149$, and $23.7503, 0.2572, 0.2531$ is the 20% darker color. If you saturate the color by 10%, you get $39.7040, 0.2499, 0.2405$, and if you desaturate by 10%, it is $61.2551, 0.2871, 0.2940$.

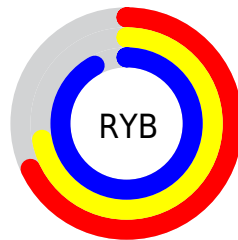
Distribution



Red (68%)

Green (73%)

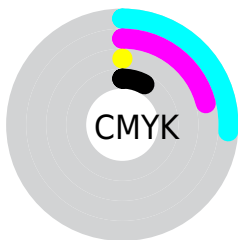
Blue (92%)



Red (68%)

Yellow (72%)

Blue (92%)

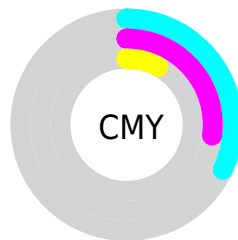


Cyan (26%)

Magenta (21%)

Yellow (0%)

Black (8%)



Cyan (32%)

Magenta (27%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6948, 0.2691, 0.2685 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 49.6948, 0.2691, 0.2685 by changing the saturation by 10% instead.

■ 49.6948, 0.2691,
0.2685

■ 49.6948, 0.2691,
0.2685

■ 385.4712, 0.2905,
0.2975

■ 35.1710, 0.2639,
0.2617

■ 89.7225, 0.2768,
0.2788

■ 23.7946, 0.2574,
0.2531

■ 115.9952, 0.2797,
0.2827

■ 15.1813, 0.2489,
0.2421

■ 146.9529, 0.2821,
0.2861

■ 8.9467, 0.2375,
0.2276

■ 182.9801, 0.2843,
0.2890

■ 4.7065, 0.2213,
0.2075

■ 224.4611, 0.2861,
0.2915

■ 2.0761, 0.1971,
0.1784

■ 271.7804, 0.2878,

■ 0.6511, 0.1585,

0.2938

0.1305

325.3223, 0.2892,
0.2957

0.0000, 0.0000,
0.0000

49.6948, 0.2691,
0.2685

49.6948, 0.2691,
0.2685

39.7040, 0.2499,
0.2405

61.2551, 0.2871,
0.2940

31.2084, 0.2302,
0.2107

74.4430, 0.3036,
0.3167

24.1366, 0.2106,
0.1799

89.3209, 0.3186,
0.3368

18.4088, 0.1924,
0.1497

98.7796, 0.3244,
0.3483

13.9370, 0.1766,
0.1219

■ 10.6221, 0.1644,
0.0982

■ 8.3483, 0.1564,
0.0803

■ 7.6753, 0.1541,
0.0747

Harmonies

Analogous

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



49.6948, 0.2487, 0.2759



49.6948, 0.2691, 0.2685



49.6948, 0.3019, 0.2756

Triad

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



49.6948, 0.2691, 0.2685



49.6948, 0.3864, 0.3529



49.6948, 0.2840, 0.3669

Complementary

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



49.6948, 0.2691, 0.2685



74.0623, 0.3546, 0.3830

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.



49.6948, 0.3200, 0.3908



49.6948, 0.2691, 0.2685



49.6948, 0.3801, 0.3795

Square

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



49.6948, 0.2691, 0.2685



49.6948, 0.3713, 0.3225



49.6948, 0.3554, 0.3946



49.6948, 0.2568, 0.3316

Rectangle

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



49.6948, 0.2691, 0.2685



49.6948, 0.3272, 0.2874



49.6948, 0.3554, 0.3946



49.6948, 0.2955, 0.3767

Sweetspot

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



49.6968, 0.2691, 0.2685



86.1204, 0.3003, 0.3122



73.8054, 0.2808, 0.3419



17.9060, 0.2979, 0.3089



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.



49.6968, 0.2691, 0.2685



53.3448, 0.2593, 0.2543



47.6623, 0.2823, 0.2577



14.9871, 0.2980, 0.3091



4.4021, 0.1546, 0.0767



0.4712, 0.1611, 0.0999

Inverse Universe

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



51.4496, 0.3582, 0.3169



56.0162, 0.3707, 0.3143



77.0423, 0.3379, 0.3969



15.0983, 0.3265, 0.3248



9.9372, 0.6123, 0.3147



0.7930, 0.5760, 0.2947

Previews

White Background



This preview shows how the Yxy color 49.6948, 0.2691, 0.2685 looks on a white background.

Color Contrast Check

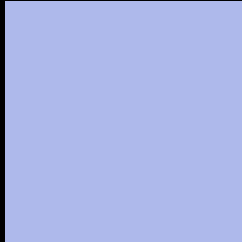
Large Text (above 18pt) WCAG AA × Fail

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 49.6948, 0.2691, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

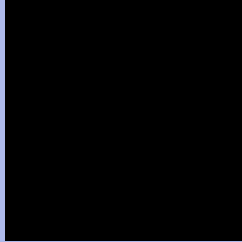
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6948, 0.2691, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 49.6948, 0.2691, 0.2685.



This preview shows how white text looks on a background with the Yxy color 49.6948, 0.2691, 0.2685.

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

49.6948, 0.2691, 0.2685

Protanopia

49.8100, 0.2698, 0.2687

Deuteranopia

49.5684, 0.2731, 0.2668



Tritanopia

49.5595, 0.2848, 0.3096

Trichromacy



Original Color

49.6948, 0.2691, 0.2685

Protanomaly

49.8100, 0.2698, 0.2687

Deuteranomaly

49.7441, 0.2718, 0.2678

Tritanomaly

49.4704, 0.2787, 0.2937

Monochromacy



Original Color

49.6948, 0.2691, 0.2685

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4225, 0.2960, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6948, 0.2691, 0.2685 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(174, 185, 235)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 185, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 185, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.6948, 0.2691, 0.2685 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(174, 185, 235) }
```

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

```
.border{ border-color:rgb(174, 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(174, 185, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 185, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 185, 235);  
box-shadow:4px 4px 4px 4px rgb(174, 185,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6948, 0.2691, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 185, 235) }
```

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

```
.background{ background-color: rgb(174,  
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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