

Converting Colors

$Yxy(49.6643, 0.2711, 0.2955)$

Have a look what the booklet for
Yxy(49.6643, 0.2711, 0.2955)
contains.

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Color

Yxy(49.7449, 0.2714, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	A0BFD9
RGB	160, 191, 217
RGB Percent	63%, 75%, 85%
CMY	0.3724, 0.2510, 0.1491
CMYK	0.26, 0.12, 0.00, 0.15
HSL	207°, 43%, 74%
HSV	207°, 26%, 85%
XYZ	45.6570, 49.7449, 72.8257
YIQ	184.6950, -26.8220, 1.5140

Conversions

Conversions Part 2

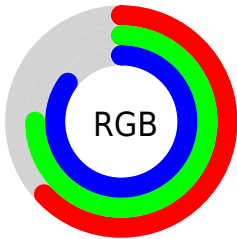
Format	Color
R _Y B	160, 180, 217
Decimal	10534873
CIE Lab	75.91, -4.59, -16.44
CIE LCh	76, 17.065, 254.400
Yxy	49.7449, 0.2714, 0.2957
Android (android.graphics.Color)	4288724953 (0xFFA0BFD9)
YUV	184.6950, 15.9264, -21.6575
Hunter-Lab	70.5301, -7.8773, -11.8488

Details

The Yxy color **49.7449, 0.2714, 0.2957** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.4199, 0.3608, 0.3601**, and the grayscale version is **48.2637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3405, 0.2891, 0.3207**, and **23.9114, 0.2604, 0.2873** is the 20% darker color. If you saturate the color by 10%, you get **43.5272, 0.2554, 0.2807**, and if you desaturate by 10%, it is **56.6490, 0.2874, 0.3095**.

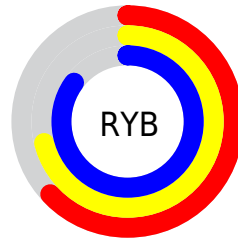
Distribution



Red (63%)

Green (75%)

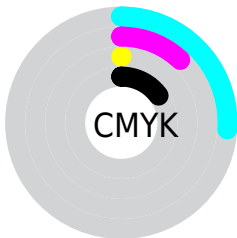
Blue (85%)



Red (63%)

Yellow (71%)

Blue (85%)

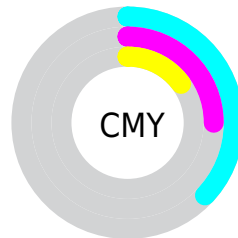


Cyan (26%)

Magenta (12%)

Yellow (0%)

Black (15%)



Cyan (37%)

Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7449, 0.2714, 0.2957 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 49.7449, 0.2714, 0.2957 by changing the saturation by 10% instead.

■ 49.7449, 0.2714,
0.2957

■ 49.7449, 0.2714,
0.2957

■ 385.6675, 0.2916,
0.3122

■ 35.2107, 0.2665,
0.2916

■ 89.7968, 0.2786,
0.3017

■ 23.8253, 0.2604,
0.2865

■ 116.0833, 0.2813,
0.3039

■ 15.2040, 0.2523,
0.2797

■ 147.0561, 0.2837,
0.3058

■ 8.9627, 0.2415,
0.2704

■ 183.0995, 0.2857,
0.3074

■ 4.7169, 0.2260,
0.2568

■ 224.5980, 0.2874,
0.3089

■ 2.0821, 0.2023,
0.2356

■ 271.9359, 0.2890,

■ 0.6545, 0.1530,

0.3101

0.1963

325.4976, 0.2903,
0.3112

0.0000, 0.0000,
0.0000

49.7449, 0.2714,
0.2957

49.7449, 0.2714,
0.2957

43.5272, 0.2554,
0.2807

56.6490, 0.2874,
0.3095

37.9638, 0.2398,
0.2645

64.2579, 0.3032,
0.3219

33.0288, 0.2250,
0.2474

72.5965, 0.3184,
0.3330

28.6917, 0.2115,
0.2297

81.6867, 0.3329,
0.3429

24.9184, 0.1999,
0.2118

88.8905, 0.3372,
0.3524

■ 21.6703, 0.1904,
0.1942

■ 94.8980, 0.3358,
0.3618

■ 18.9001, 0.1832,
0.1771

■ 97.7887, 0.3352,
0.3661

■ 17.9529, 0.1808,
0.1709

Harmonies

Analogous

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



49.7449, 0.2688, 0.3106



49.7449, 0.2714, 0.2957



49.7449, 0.2846, 0.2901

Triad

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



49.7449, 0.2714, 0.2957



49.7449, 0.3491, 0.3249



49.7449, 0.3184, 0.3672

Complementary

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



49.7449, 0.2714, 0.2957



52.4199, 0.3608, 0.3601

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.



49.7449, 0.3405, 0.3700



49.7449, 0.2714, 0.2957



49.7449, 0.3587, 0.3446

Square

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



49.7449, 0.2714, 0.2957



49.7449, 0.3294, 0.3068



49.7449, 0.3555, 0.3613



49.7449, 0.2954, 0.3529

Rectangle

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



49.7449, 0.2714, 0.2957



49.7449, 0.2981, 0.2918



49.7449, 0.3555, 0.3613



49.7449, 0.3262, 0.3695

Sweetspot

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



49.7469, 0.2714, 0.2957



90.5367, 0.3003, 0.3197



60.6245, 0.2932, 0.3692



19.0141, 0.2979, 0.3179



0.0000, 0.0000, 0.0000



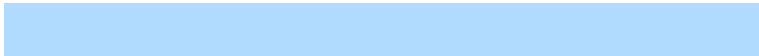
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7469, 0.2714, 0.2957



67.0658, 0.2633, 0.2883



38.6447, 0.2679, 0.2581



13.7842, 0.2982, 0.3181



11.0839, 0.1815, 0.1733



0.8896, 0.1891, 0.2008

Inverse Universe

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



43.6686, 0.3388, 0.2925



57.4013, 0.3454, 0.2851



65.4484, 0.3529, 0.3912



13.1693, 0.3207, 0.3164



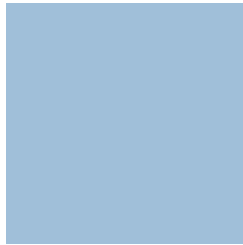
9.7427, 0.4766, 0.2399



0.6485, 0.4443, 0.2221

Previews

White Background



This preview shows how the Yxy color 49.7449, 0.2714, 0.2957 looks on a white background.

Color Contrast Check

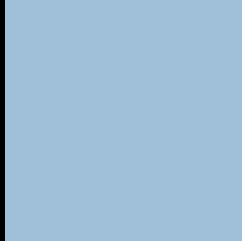
Large Text (above 18pt) WCAG AA × Fail

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 49.7449, 0.2714, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

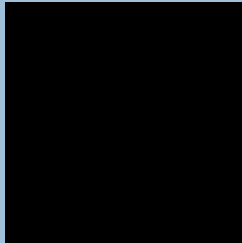
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

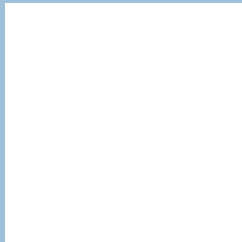
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7449, 0.2714, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 49.7449, 0.2714, 0.2957.



This preview shows how white text looks on a background with the Yxy color 49.7449, 0.2714, 0.2957.

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

49.7449, 0.2714, 0.2957

Protanopia

49.4471, 0.2895, 0.2943

Deuteranopia

49.3892, 0.2906, 0.2842



Tritanopia

49.9631, 0.2759, 0.3094

Trichromacy



Original Color

49.7449, 0.2714, 0.2957

Protanomaly

49.3944, 0.2829, 0.2950

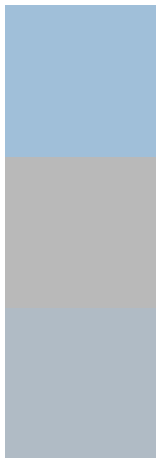
Deuteranomaly

49.2249, 0.2830, 0.2881

Tritanomaly

49.7734, 0.2746, 0.3043

Monochromacy



Original Color

49.7449, 0.2714, 0.2957

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 49.7449, 0.2714, 0.2957 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(160, 191, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 191, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.7449, 0.2714, 0.2957 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, 217) }
```

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

```
.border{ border-color:rgb(160, 191, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 191, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 191, 217);  
box-shadow:4px 4px 4px 4px rgb(160, 191,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7449, 0.2714, 0.2957 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, 217) }
```

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

```
.background{ background-color: rgb(160,  
191, 217) }
```

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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