

Converting Colors

$Yxy(49.2056, 0.2800, 0.2972)$

Have a look what the booklet for
Yxy(49.2056, 0.2800, 0.2972)
contains.

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Color

Yxy(49.2056, 0.2800, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	A9BCD5
RGB	169, 188, 213
RGB Percent	66%, 74%, 84%
CMY	0.3372, 0.2627, 0.1647
CMYK	0.21, 0.12, 0.00, 0.16
HSL	214°, 34%, 75%
HSV	214°, 21%, 84%
XYZ	46.3579, 49.2056, 70.0004
YIQ	185.1690, -19.3490, 3.7470

Conversions

Conversions Part 2

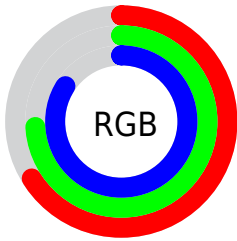
Format	Color
R _Y B	169, 182, 213
Decimal	11123925
CIE Lab	75.58, -1.16, -14.72
CIE LCh	76, 14.765, 265.500
Yxy	49.2056, 0.2800, 0.2972
Android (android.graphics.Color)	4289314005 (0xFFA9BCD5)
YUV	185.1690, 13.7207, -14.1802
Hunter-Lab	70.1467, -4.7913, -10.0637

Details

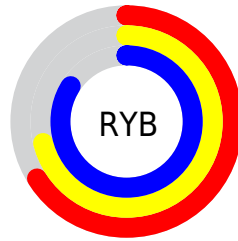
The Yxy color $49.2056, 0.2800, 0.2972$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.6008, 0.3479, 0.3589$, and the grayscale version is $48.5476, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.9289, 0.2944, 0.3178$, and $23.5096, 0.2712, 0.2893$ is the 20% darker color. If you saturate the color by 10%, you get $42.0828, 0.2632, 0.2792$, and if you desaturate by 10%, it is $57.1501, 0.2963, 0.3135$.

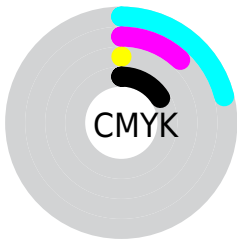
Distribution



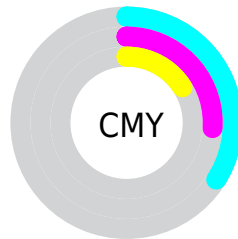
- Red (66%)
- Green (74%)
- Blue (84%)



- Red (66%)
- Yellow (71%)
- Blue (84%)



- Cyan (21%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (34%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2056, 0.2800, 0.2972 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 49.2056, 0.2800, 0.2972 by changing the saturation by 10% instead.

■ 49.2056, 0.2800,
0.2972

■ 49.2056, 0.2800,
0.2972

■ 383.5512, 0.2961,
0.3129

■ 34.7826, 0.2761,
0.2934

■ 88.9967, 0.2858,
0.3028

■ 23.4955, 0.2711,
0.2885

■ 115.1337, 0.2880,
0.3050

■ 14.9598, 0.2646,
0.2821

■ 145.9440, 0.2898,
0.3068

■ 8.7912, 0.2557,
0.2733

■ 181.8122, 0.2914,
0.3084

■ 4.6052, 0.2428,
0.2605

■ 223.1226, 0.2928,
0.3097

■ 2.0175, 0.2228,
0.2405

■ 270.2597, 0.2940,

■ 0.6176, 0.1813,

0.3109

0.2004

323.6077, 0.2951,
0.3120

0.0000, 0.0000,
0.0000

49.2056, 0.2800,
0.2972

49.2056, 0.2800,
0.2972

42.0828, 0.2632,
0.2792

57.1501, 0.2963,
0.3135

35.7464, 0.2463,
0.2596

65.9379, 0.3117,
0.3281

30.1675, 0.2296,
0.2386

75.5969, 0.3263,
0.3411

25.3125, 0.2138,
0.2167

86.1522, 0.3399,
0.3525

21.1449, 0.1994,
0.1945

93.5263, 0.3385,
0.3640

■ 17.6240, 0.1872,
0.1727

■ 97.5838, 0.3376,
0.3701

■ 14.7031, 0.1775,
0.1520

■ 12.4460, 0.1706,
0.1341

Harmonies

Analogous

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



49.2056, 0.2741, 0.3075



49.2056, 0.2800, 0.2972



49.2056, 0.2945, 0.2954

Triad

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



49.2056, 0.2800, 0.2972



49.2056, 0.3485, 0.3319



49.2056, 0.3101, 0.3584

Complementary

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



49.2056, 0.2800, 0.2972



55.6008, 0.3479, 0.3589

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.



49.2056, 0.3303, 0.3648



49.2056, 0.2800, 0.2972



49.2056, 0.3529, 0.3487

Square

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



49.2056, 0.2800, 0.2972



49.2056, 0.3342, 0.3151



49.2056, 0.3461, 0.3609



49.2056, 0.2911, 0.3433

Rectangle

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



49.2056, 0.2800, 0.2972



49.2056, 0.3074, 0.2989



49.2056, 0.3461, 0.3609



49.2056, 0.3170, 0.3617

Sweetspot

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



49.2076, 0.2800, 0.2972



91.7892, 0.3035, 0.3204



59.9152, 0.2939, 0.3530



19.4615, 0.3024, 0.3195



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.



49.2076, 0.2800, 0.2972



68.8693, 0.2723, 0.2891



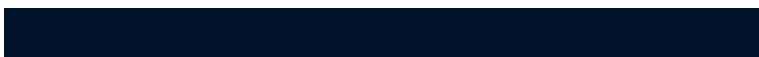
41.9527, 0.2807, 0.2726



12.8814, 0.2982, 0.3154



7.7975, 0.1713, 0.1368



0.6330, 0.1807, 0.1706

Inverse Universe

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



46.1598, 0.3365, 0.3063



63.7328, 0.3433, 0.3010



64.1618, 0.3413, 0.3805



12.5089, 0.3224, 0.3190



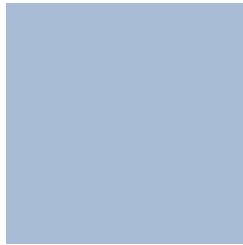
9.1320, 0.5234, 0.2657



0.5672, 0.4799, 0.2417

Previews

White Background



This preview shows how the Yxy color 49.2056, 0.2800, 0.2972 looks on a white background.

Color Contrast Check

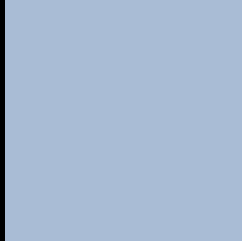
Large Text (above 18pt) WCAG AA × Fail

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 49.2056, 0.2800, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

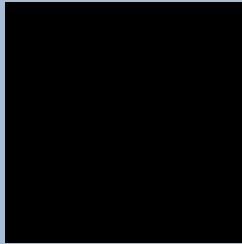
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

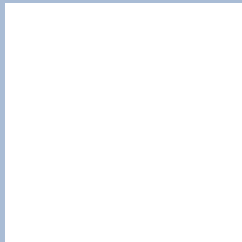
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2056, 0.2800, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 49.2056, 0.2800, 0.2972.



This preview shows how white text looks on a background with the Yxy color 49.2056, 0.2800, 0.2972.

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

49.2056, 0.2800, 0.2972

Protanopia

49.3462, 0.2909, 0.2966

Deuteranopia

48.8499, 0.2950, 0.2888



Tritanopia

48.9703, 0.2846, 0.3095

Trichromacy



Original Color

49.2056, 0.2800, 0.2972

Protanomaly

49.2184, 0.2865, 0.2964

Deuteranomaly

49.0811, 0.2888, 0.2918

Tritanomaly

49.2250, 0.2833, 0.3058

Monochromacy



Original Color

49.2056, 0.2800, 0.2972

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6416, 0.3002, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2056, 0.2800, 0.2972 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(169, 188, 213)` looks like.

```
.text, #text, p{  
    color:rgb(169, 188, 213)  
}
```

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(169, 188, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 188, 213) }
```

Border

The CSS property to change the border of an element to Yxy 49.2056, 0.2800, 0.2972 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(169, 188, 213) }
```

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

```
.border{ border-color:rgb(169, 188, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 188, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 188, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 188, 213);  
box-shadow:4px 4px 4px 4px rgb(169, 188,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2056, 0.2800, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 188, 213) }
```

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

```
.background{ background-color: rgb(169,  
188, 213) }
```

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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