

Converting Colors

$Yxy(56.3696, 0.2768, 0.2983)$

Have a look what the booklet for
Yxy(56.3696, 0.2768, 0.2983)
contains.

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Color

Yxy(56.3782, 0.2771, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	AFC9E2
RGB	175, 201, 226
RGB Percent	69%, 79%, 89%
CMY	0.3135, 0.2118, 0.1138
CMYK	0.23, 0.11, 0.00, 0.11
HSL	209°, 47%, 79%
HSV	209°, 23%, 89%
XYZ	52.3013, 56.3782, 80.0657
YIQ	196.0760, -23.5210, 2.2630

Conversions

Conversions Part 2

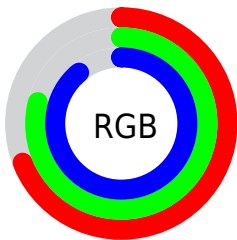
Format	Color
R_{YB}	175, 192, 226
Decimal	11520482
CIE _{Lab}	79.83, -3.33, -15.30
CIE _{LCh}	80, 15.656, 257.730
Yxy	56.3782, 0.2771, 0.2987
Android (android.graphics.Color)	4289710562 (0xFFAFC9E2)
YUV	196.0760, 14.7525, -18.4837
Hunter-Lab	75.0854, -7.0640, -10.6628

Details

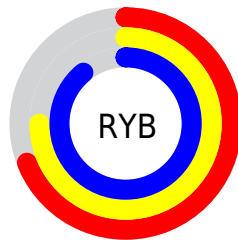
The Yxy color **56.3782, 0.2771, 0.2987** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5981, 0.3526, 0.3575**, and the grayscale version is **55.1769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **27.9453, 0.2680, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **48.9938, 0.2608, 0.2829**, and if you desaturate by 10%, it is **64.5782, 0.2932, 0.3131**.

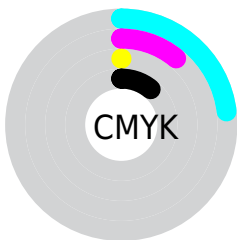
Distribution



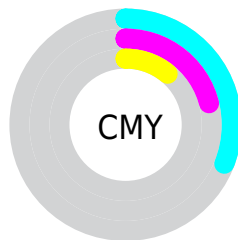
- Red (69%)
- Green (79%)
- Blue (89%)



- Red (69%)
- Yellow (75%)
- Blue (89%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3782, 0.2771, 0.2987 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 56.3782, 0.2771, 0.2987 by changing the saturation by 10% instead.

■ 56.3782, 0.2771,
0.2987

■ 56.3782, 0.2771,
0.2987

411.1152, 0.2942,
0.3134

■ 40.5062, 0.2731,
0.2952

■ 99.5573, 0.2831,
0.3039

■ 27.9335, 0.2680,
0.2908

127.6333, 0.2854,
0.3059

■ 18.2755, 0.2615,
0.2850

160.5460, 0.2874,
0.3076

■ 11.1480, 0.2528,
0.2773

198.6799, 0.2891,
0.3091

■ 6.1665, 0.2406,
0.2663

242.4194, 0.2906,
0.3104

■ 2.9466, 0.2223,
0.2497

292.1489, 0.2919,

■ 1.1039, 0.1925,

0.3115

0.2218

348.2527, 0.2931,
0.3125

0.0000, 0.0000,
0.0000

56.3782, 0.2771,
0.2987

56.3782, 0.2771,
0.2987

48.9938, 0.2608,
0.2829

64.5782, 0.2932,
0.3131

42.3887, 0.2445,
0.2658

73.6148, 0.3089,
0.3260

36.5332, 0.2289,
0.2477

83.5167, 0.3238,
0.3375

31.3932, 0.2144,
0.2287

92.2716, 0.3309,
0.3480

26.9308, 0.2015,
0.2094

98.2702, 0.3298,
0.3572

■ 23.1034, 0.1907,
0.1902

■ 19.8612, 0.1824,
0.1718

■ 17.7676, 0.1774,
0.1587

Harmonies

Analogous

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



56.3782, 0.2737, 0.3111



56.3782, 0.2771, 0.2987



56.3782, 0.2898, 0.2946

Triad

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



56.3782, 0.2771, 0.2987



56.3782, 0.3461, 0.3274



56.3782, 0.3155, 0.3615

Complementary

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



56.3782, 0.2771, 0.2987



60.5981, 0.3526, 0.3575

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.



56.3782, 0.3353, 0.3653



56.3782, 0.2771, 0.2987



56.3782, 0.3534, 0.3448

Square

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



56.3782, 0.2771, 0.2987



56.3782, 0.3296, 0.3109



56.3782, 0.3493, 0.3588



56.3782, 0.2954, 0.3481

Rectangle

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



56.3782, 0.2771, 0.2987



56.3782, 0.3021, 0.2967



56.3782, 0.3493, 0.3588



56.3782, 0.3224, 0.3639

Sweetspot

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



56.3805, 0.2771, 0.2987



91.3074, 0.3019, 0.3203



67.6608, 0.2947, 0.3608



19.3887, 0.3009, 0.3195



0.0000, 0.0000, 0.0000



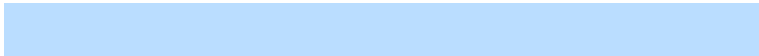
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3805, 0.2771, 0.2987



69.5006, 0.2695, 0.2915



45.6265, 0.2747, 0.2671



14.3914, 0.2981, 0.3172



10.3763, 0.1782, 0.1614



0.8984, 0.1858, 0.1890

Inverse Universe

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



51.0668, 0.3359, 0.2997



61.6726, 0.3420, 0.2933



73.1884, 0.3468, 0.3842



13.8164, 0.3213, 0.3171



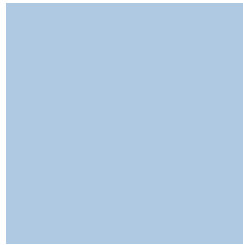
9.9555, 0.4913, 0.2480



0.7081, 0.4579, 0.2296

Previews

White Background



This preview shows how the Yxy color 56.3782, 0.2771, 0.2987 looks on a white background.

Color Contrast Check

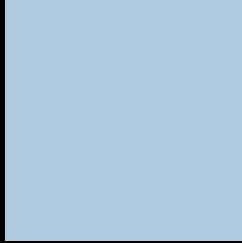
Large Text (above 18pt) WCAG AA × Fail

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 56.3782, 0.2771, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

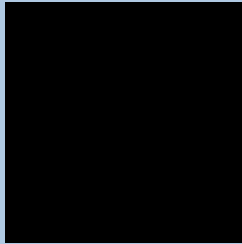
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

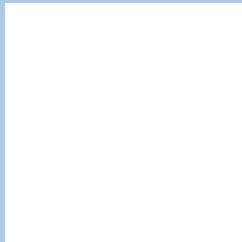
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3782, 0.2771, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 56.3782, 0.2771, 0.2987.



This preview shows how white text looks on a background with the Yxy color 56.3782, 0.2771, 0.2987.

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

56.3782, 0.2771, 0.2987

Protanopia

56.2769, 0.2921, 0.2972

Deuteranopia

56.2979, 0.2946, 0.2888



Tritanopia

56.3017, 0.2814, 0.3093

Trichromacy



Original Color

56.3782, 0.2771, 0.2987

Protanomaly

56.3348, 0.2864, 0.2980

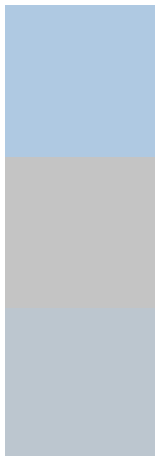
Deuteranomaly

56.2324, 0.2880, 0.2926

Tritanomaly

56.4602, 0.2796, 0.3057

Monochromacy



Original Color

56.3782, 0.2771, 0.2987

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.5845, 0.2986, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3782, 0.2771, 0.2987 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(175, 201, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 201, 226)  
}
```

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(175, 201, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 201, 226) }
```

Border

The CSS property to change the border of an element to Yxy 56.3782, 0.2771, 0.2987 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(175, 201, 226) }
```

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

```
.border{ border-color:rgb(175, 201, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 201, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 201, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 201, 226); box-shadow:4px 4px 4px 4px rgb(175, 201, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3782, 0.2771, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 201, 226) }
```

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

```
.background{ background-color: rgb(175,  
201, 226) }
```

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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