

Converting Colors

$Y_{xy}(55.8262, 0.2712, 0.2982)$

Have a look what the booklet for
Yxy(55.8262, 0.2712, 0.2982)
contains.

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Color

Yxy(56.0026, 0.2713, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	A7CAE3
RGB	167, 202, 227
RGB Percent	65%, 79%, 89%
CMY	0.3448, 0.2079, 0.1098
CMYK	0.26, 0.11, 0.00, 0.11
HSL	205°, 52%, 77%
HSV	205°, 26%, 89%
XYZ	50.9336, 56.0026, 80.8029
YIQ	194.3850, -28.8850, 0.3550

Conversions

Conversions Part 2

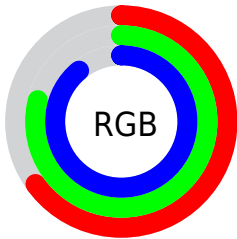
Format	Color
R _Y B	167, 189, 227
Decimal	10996451
CIE Lab	79.62, -6.01, -16.22
CIE LCh	80, 17.296, 249.665
Yxy	56.0026, 0.2713, 0.2983
Android (android.graphics.Color)	4289186531 (0xFFA7CAE3)
YUV	194.3850, 16.0792, -24.0166
Hunter-Lab	74.8349, -9.4715, -11.6339

Details

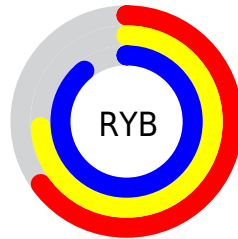
The Yxy color **56.0026, 0.2713, 0.2983** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8651, 0.3620, 0.3578**, and the grayscale version is **54.1130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **27.7358, 0.2608, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **49.4331, 0.2556, 0.2846**, and if you desaturate by 10%, it is **63.2838, 0.2872, 0.3109**.

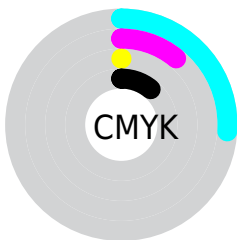
Distribution



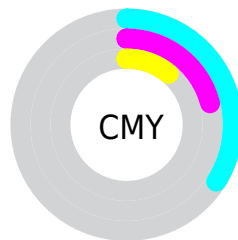
- Red (65%)
- Green (79%)
- Blue (89%)



- Red (65%)
- Yellow (74%)
- Blue (89%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (34%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0026, 0.2713, 0.2983 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 56.0026, 0.2713, 0.2983 by changing the saturation by 10% instead.

■ 56.0026, 0.2713,
0.2983

■ 56.0026, 0.2713,
0.2983

409.7013, 0.2911,
0.3133

■ 40.2050, 0.2666,
0.2947

■ 99.0084, 0.2783,
0.3036

■ 27.6984, 0.2608,
0.2901

■ 126.9854, 0.2810,
0.3057

■ 18.0984, 0.2533,
0.2842

159.7909, 0.2833,
0.3074

■ 11.0207, 0.2432,
0.2762

197.8095, 0.2853,
0.3089

■ 6.0808, 0.2293,
0.2648

241.4254, 0.2870,
0.3102

■ 2.8942, 0.2086,
0.2474

291.0231, 0.2885,

■ 1.0768, 0.1752,

0.3114

0.2180

346.9869, 0.2899,
0.3124

0.0000, 0.0000,
0.0000

56.0026, 0.2713,
0.2983

56.0026, 0.2713,
0.2983

49.4331, 0.2556,
0.2846

63.2838, 0.2872,
0.3109

43.5409, 0.2404,
0.2698

71.2956, 0.3029,
0.3223

38.2986, 0.2261,
0.2542

80.0646, 0.3182,
0.3326

33.6736, 0.2133,
0.2381

89.0643, 0.3309,
0.3417

29.6298, 0.2022,
0.2217

94.7873, 0.3298,
0.3509

■ 26.1253, 0.1933,
0.2055

■ 98.3265, 0.3292,
0.3562

■ 23.1091, 0.1866,
0.1898

■ 22.1143, 0.1845,
0.1842

Harmonies

Analogous

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



56.0026, 0.2705, 0.3141



56.0026, 0.2713, 0.2983



56.0026, 0.2827, 0.2912

Triad

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



56.0026, 0.2713, 0.2983



56.0026, 0.3456, 0.3220



56.0026, 0.3219, 0.3674

Complementary

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



56.0026, 0.2713, 0.2983



56.8651, 0.3620, 0.3578

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.



56.0026, 0.3427, 0.3683



56.0026, 0.2713, 0.2983



56.0026, 0.3569, 0.3413

Square

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



56.0026, 0.2713, 0.2983



56.0026, 0.3254, 0.3049



56.0026, 0.3557, 0.3583



56.0026, 0.2992, 0.3550

Rectangle

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



56.0026, 0.2713, 0.2983



56.0026, 0.2951, 0.2919



56.0026, 0.3557, 0.3583



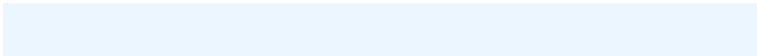
56.0026, 0.3293, 0.3690

Sweetspot

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



56.0048, 0.2713, 0.2983



91.0204, 0.3003, 0.3205



66.9737, 0.2942, 0.3722



19.1359, 0.2979, 0.3188



0.0000, 0.0000, 0.0000



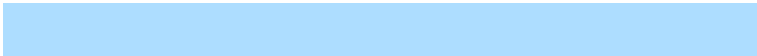
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0048, 0.2713, 0.2983



67.8285, 0.2621, 0.2905



43.3004, 0.2677, 0.2600



15.2751, 0.2981, 0.3189



13.1317, 0.1852, 0.1865



1.1529, 0.1915, 0.2094

Inverse Universe

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



48.2598, 0.3371, 0.2896



56.5178, 0.3440, 0.2806



71.3745, 0.3538, 0.3898



14.5081, 0.3202, 0.3154



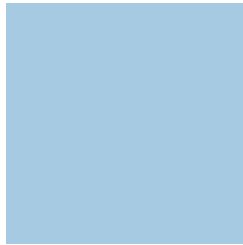
10.5234, 0.4608, 0.2312



0.7961, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 56.0026, 0.2713, 0.2983 looks on a white background.

Color Contrast Check

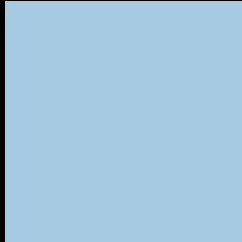
Large Text (above 18pt) WCAG AA × Fail

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 56.0026, 0.2713, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

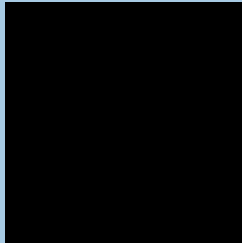
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

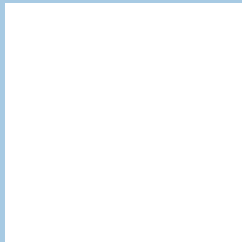
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0026, 0.2713, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 56.0026, 0.2713, 0.2983.



This preview shows how white text looks on a background with the Yxy color 56.0026, 0.2713, 0.2983.

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

56.0026, 0.2713, 0.2983

Protanopia

55.6954, 0.2913, 0.2959

Deuteranopia

55.7739, 0.2931, 0.2864



Tritanopia

55.8257, 0.2749, 0.3090

Trichromacy



Original Color

56.0026, 0.2713, 0.2983

Protanomaly

55.9603, 0.2843, 0.2978

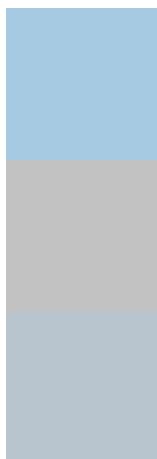
Deuteranomaly

55.9001, 0.2851, 0.2912

Tritanomaly

56.0928, 0.2737, 0.3054

Monochromacy



Original Color

56.0026, 0.2713, 0.2983

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.5791, 0.2963, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0026, 0.2713, 0.2983 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(167, 202, 227)` looks like.

```
.text, #text, p{  
    color:rgb(167, 202, 227)  
}
```

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(167, 202, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 202, 227) }
```

Border

The CSS property to change the border of an element to Yxy 56.0026, 0.2713, 0.2983 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(167, 202, 227) }
```

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

```
.border{ border-color:rgb(167, 202, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 202, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 202, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 202, 227); box-shadow:4px 4px 4px 4px rgb(167, 202, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0026, 0.2713, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 202, 227) }
```

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

```
.background{ background-color: rgb(167,  
202, 227) }
```

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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