

Converting Colors

$Yxy(56.6813, 0.2662, 0.2877)$

Have a look what the booklet for
Yxy(56.6813, 0.2662, 0.2877)
contains.

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Color

Yxy(56.6220, 0.2666, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	A8CAEC
RGB	168, 202, 236
RGB Percent	66%, 79%, 93%
CMY	0.3415, 0.2078, 0.0745
CMYK	0.29, 0.14, 0.00, 0.07
HSL	210°, 64%, 79%
HSV	210°, 29%, 93%
XYZ	52.3965, 56.6220, 87.5174
YIQ	195.7100, -31.1780, 3.3660

Conversions

Conversions Part 2

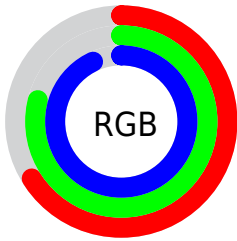
Format	Color
R _Y B	168, 191, 236
Decimal	11061996
CIE Lab	79.97, -3.67, -20.50
CIE LCh	80, 20.822, 259.839
Yxy	56.6220, 0.2666, 0.2881
Android (android.graphics.Color)	4289252076 (0xFFA8CAEC)
YUV	195.7100, 19.8630, -24.3017
Hunter-Lab	75.2476, -7.3900, -16.2845

Details

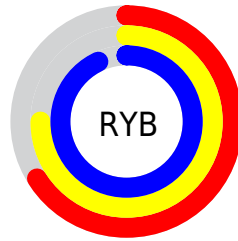
The Yxy color **56.6220, 0.2666, 0.2881** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8495, 0.3660, 0.3666**, and the grayscale version is **54.9057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **28.0525, 0.2550, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **48.9475, 0.2502, 0.2711**, and if you desaturate by 10%, it is **65.1928, 0.2830, 0.3037**.

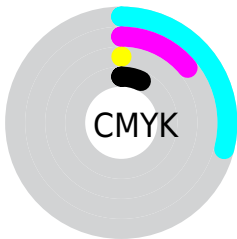
Distribution



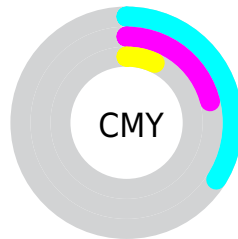
- Red (66%)
- Green (79%)
- Blue (93%)



- Red (66%)
- Yellow (75%)
- Blue (93%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6220, 0.2666, 0.2881 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 56.6220, 0.2666, 0.2881 by changing the saturation by 10% instead.

■ 56.6220, 0.2666,
0.2881

■ 56.6220, 0.2666,
0.2881

■ 412.0314, 0.2886,
0.3078

■ 40.7018, 0.2614,
0.2834

■ 99.9134, 0.2743,
0.2951

■ 28.0862, 0.2550,
0.2775

■ 128.0535, 0.2773,
0.2978

■ 18.3906, 0.2468,
0.2700

■ 161.0356, 0.2799,
0.3000

■ 11.2308, 0.2359,
0.2599

■ 199.2442, 0.2821,
0.3020

■ 6.2223, 0.2208,
0.2457

■ 243.0637, 0.2840,
0.3037

■ 2.9807, 0.1988,
0.2248

■ 292.8785, 0.2857,

■ 1.1217, 0.1643,

0.3053

0.1911

349.0729, 0.2872,
0.3066

0.0000, 0.0000,
0.0000

56.6220, 0.2666,
0.2881

56.6220, 0.2666,
0.2881

48.9475, 0.2502,
0.2711

65.1928, 0.2830,
0.3037

42.1278, 0.2342,
0.2529

74.6858, 0.2990,
0.3178

36.1275, 0.2190,
0.2338

85.1340, 0.3145,
0.3304

30.9057, 0.2054,
0.2142

95.1505, 0.3243,
0.3418

26.4166, 0.1937,
0.1946

98.8357, 0.3238,
0.3473

■ 22.6075, 0.1843,
0.1755

■ 19.4044, 0.1773,
0.1575

■ 19.0623, 0.1765,
0.1555

Harmonies

Analogous

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



56.6220, 0.2613, 0.3035



56.6220, 0.2666, 0.2881



56.6220, 0.2838, 0.2838

Triad

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



56.6220, 0.2666, 0.2881



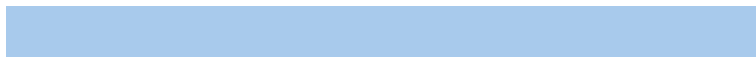
56.6220, 0.3584, 0.3282



56.6220, 0.3142, 0.3718

Complementary

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



56.6220, 0.2666, 0.2881



62.8495, 0.3660, 0.3666

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.



56.6220, 0.3408, 0.3775



56.6220, 0.2666, 0.2881



56.6220, 0.3670, 0.3509

Square

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



56.6220, 0.2666, 0.2881



56.6220, 0.3369, 0.3066



56.6220, 0.3604, 0.3692



56.6220, 0.2880, 0.3529

Rectangle

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



56.6220, 0.2666, 0.2881



56.6220, 0.3003, 0.2872



56.6220, 0.3604, 0.3692



56.6220, 0.3233, 0.3754

Sweetspot

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



56.6243, 0.2666, 0.2881



88.8126, 0.2987, 0.3175



72.5122, 0.2900, 0.3712



18.6413, 0.2964, 0.3155



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.



56.6243, 0.2666, 0.2881



61.6188, 0.2562, 0.2776



42.7721, 0.2622, 0.2466



15.7957, 0.2981, 0.3169



10.7675, 0.1773, 0.1583



1.0379, 0.1843, 0.1833

Inverse Universe

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



50.0758, 0.3449, 0.2916



53.1175, 0.3545, 0.2831



79.9912, 0.3566, 0.4000



15.1799, 0.3214, 0.3173



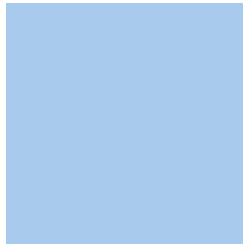
10.5798, 0.4952, 0.2502



0.8502, 0.4646, 0.2333

Previews

White Background



This preview shows how the Yxy color 56.6220, 0.2666, 0.2881 looks on a white background.

Color Contrast Check

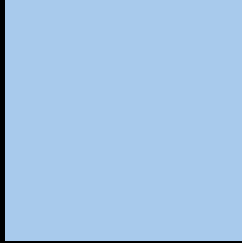
Large Text (above 18pt) WCAG AA × Fail

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 56.6220, 0.2666, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

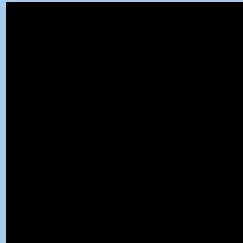
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

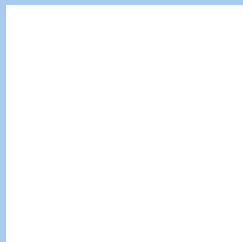
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6220, 0.2666, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 56.6220, 0.2666, 0.2881.



This preview shows how white text looks on a background with the Yxy color 56.6220, 0.2666, 0.2881.

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

56.6220, 0.2666, 0.2881

Protanopia

56.3824, 0.2840, 0.2870

Deuteranopia

56.1833, 0.2842, 0.2776



Tritanopia

56.8824, 0.2739, 0.3091

Trichromacy



Original Color

56.6220, 0.2666, 0.2881

Protanomaly

56.3386, 0.2779, 0.2876

Deuteranomaly

56.0334, 0.2773, 0.2811

Tritanomaly

56.7837, 0.2714, 0.3020

Monochromacy



Original Color

56.6220, 0.2666, 0.2881

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.5304, 0.2944, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6220, 0.2666, 0.2881 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(168, 202, 236)` looks like.

```
.text, #text, p{  
    color:rgb(168, 202, 236)  
}
```

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(168, 202, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 202, 236) }
```

Border

The CSS property to change the border of an element to Yxy 56.6220, 0.2666, 0.2881 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(168, 202, 236) }
```

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

```
.border{ border-color:rgb(168, 202, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 202, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 202, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 202, 236);  
box-shadow:4px 4px 4px 4px rgb(168, 202,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6220, 0.2666, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 202, 236) }
```

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

```
.background{ background-color: rgb(168,  
202, 236) }
```

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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