

Converting Colors

$Yxy(56.4066, 0.2648, 0.2874)$

Have a look what the booklet for
Yxy(56.4066, 0.2648, 0.2874)
contains.

Yxy(56.4625, 0.2648, 0.2868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.4625, 0.2648, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	A6CAED
RGB	166, 202, 237
RGB Percent	65%, 79%, 93%
CMY	0.3491, 0.2078, 0.0706
CMYK	0.30, 0.15, 0.00, 0.07
HSL	210°, 66%, 79%
HSV	210°, 30%, 93%
XYZ	52.1313, 56.4625, 88.2768
YIQ	195.2260, -32.6910, 3.2530

Conversions

Conversions Part 2

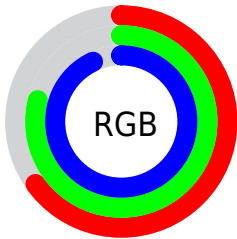
Format	Color
RYB	166, 190, 237
Decimal	10930925
CIELab	79.88, -3.98, -21.19
CIElCh	80, 21.557, 259.368
Yxy	56.4625, 0.2648, 0.2868
Android (android.graphics.Color)	4289121005 (0xFFA6CAED)
YUV	195.2260, 20.5946, -25.6312
Hunter-Lab	75.1415, -7.6588, -17.0552

Details

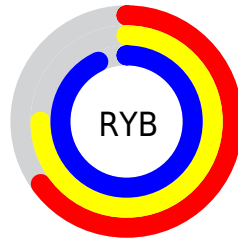
The Yxy color **56.4625, 0.2648, 0.2868** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5288, 0.3687, 0.3677**, and the grayscale version is **54.6048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.9607, 0.2527, 0.2759** is the 20% darker color. If you saturate the color by 10%, you get **48.8590, 0.2485, 0.2699**, and if you desaturate by 10%, it is **64.9574, 0.2812, 0.3023**.

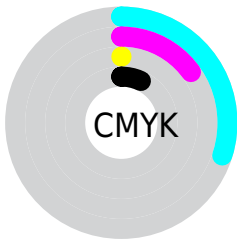
Distribution



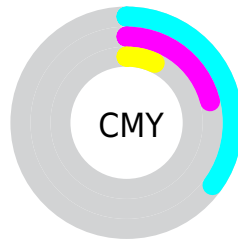
- Red (65%)
- Green (79%)
- Blue (93%)



- Red (65%)
- Yellow (75%)
- Blue (93%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4625, 0.2648, 0.2868 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 56.4625, 0.2648, 0.2868 by changing the saturation by 10% instead.

■ 56.4625, 0.2648,
0.2868

■ 56.4625, 0.2648,
0.2868

■ 411.4322, 0.2876,
0.3071

■ 40.5739, 0.2595,
0.2820

■ 99.6805, 0.2728,
0.2940

■ 27.9863, 0.2528,
0.2759

■ 127.7786, 0.2759,
0.2968

■ 18.3153, 0.2443,
0.2681

■ 160.7154, 0.2786,
0.2991

■ 11.1766, 0.2330,
0.2577

■ 198.8751, 0.2809,
0.3012

■ 6.1857, 0.2174,
0.2431

■ 242.6423, 0.2829,
0.3030

■ 2.9584, 0.1947,
0.2215

■ 292.4012, 0.2846,

■ 1.1100, 0.1594,

0.3045

0.1871

348.5364, 0.2862,
0.3059

0.0000, 0.0000,
0.0000

56.4625, 0.2648,
0.2868

56.4625, 0.2648,
0.2868

48.8590, 0.2485,
0.2699

64.9574, 0.2812,
0.3023

42.1052, 0.2326,
0.2518

74.3698, 0.2973,
0.3164

36.1653, 0.2177,
0.2329

84.7328, 0.3128,
0.3290

30.9977, 0.2043,
0.2135

94.9604, 0.3238,
0.3404

26.5562, 0.1929,
0.1941

98.8949, 0.3232,
0.3464

■ 22.7867, 0.1839,
0.1753

■ 19.6053, 0.1771,
0.1576

■ 19.5947, 0.1771,
0.1576

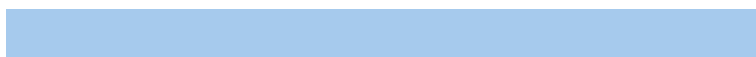
Harmonies

Analogous

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



56.4625, 0.2595, 0.3028



56.4625, 0.2648, 0.2868



56.4625, 0.2824, 0.2823

Triad

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



56.4625, 0.2648, 0.2868



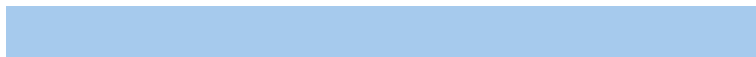
56.4625, 0.3598, 0.3277



56.4625, 0.3146, 0.3736

Complementary

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



56.4625, 0.2648, 0.2868



62.5288, 0.3687, 0.3677

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.



56.4625, 0.3421, 0.3793



56.4625, 0.2648, 0.2868



56.4625, 0.3690, 0.3512

Square

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



56.4625, 0.2648, 0.2868



56.4625, 0.3373, 0.3055



56.4625, 0.3623, 0.3704



56.4625, 0.2874, 0.3541

Rectangle

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



56.4625, 0.2648, 0.2868



56.4625, 0.2994, 0.2857



56.4625, 0.3623, 0.3704



56.4625, 0.3241, 0.3772

Sweetspot

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



56.4647, 0.2648, 0.2868



88.8983, 0.2987, 0.3177



72.8640, 0.2892, 0.3732



18.6624, 0.2964, 0.3157



0.0000, 0.0000, 0.0000



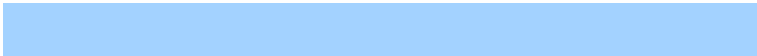
21.4041, 0.3127, 0.3290

Same Dimension

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



56.4647, 0.2648, 0.2868



60.9998, 0.2547, 0.2765



41.9222, 0.2599, 0.2428



15.8117, 0.2981, 0.3171



10.9607, 0.1779, 0.1604



1.0532, 0.1848, 0.1852

Inverse Universe

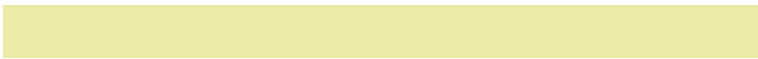
The Inverse Universe completely reimagines the original color for something new.



49.5395, 0.3462, 0.2896



52.1664, 0.3556, 0.2812



80.6487, 0.3583, 0.4027



15.1815, 0.3213, 0.3171



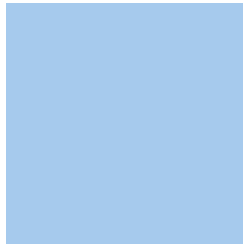
10.5993, 0.4926, 0.2487



0.8517, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 56.4625, 0.2648, 0.2868 looks on a white background.

Color Contrast Check

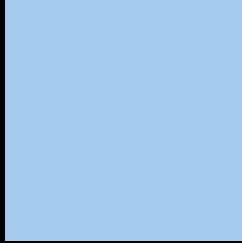
Large Text (above 18pt) WCAG AA × Fail

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 56.4625, 0.2648, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

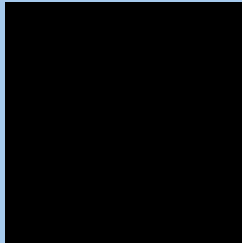
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

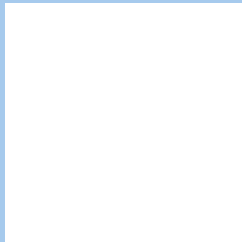
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4625, 0.2648, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 56.4625, 0.2648, 0.2868.

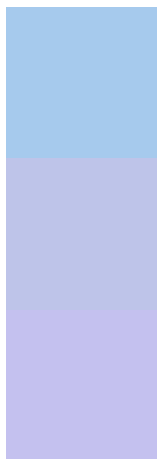


This preview shows how white text looks on a background with the Yxy color 56.4625, 0.2648, 0.2868.

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

56.4625, 0.2648, 0.2868

Protanopia

56.3102, 0.2826, 0.2858

Deuteranopia

56.1077, 0.2828, 0.2764



Tritanopia

56.5645, 0.2720, 0.3090

Trichromacy



Original Color

56.4625, 0.2648, 0.2868

Protanomaly

56.1524, 0.2759, 0.2864

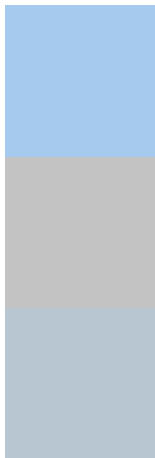
Deuteranomaly

55.9672, 0.2760, 0.2799

Tritanomaly

56.5183, 0.2690, 0.3006

Monochromacy



Original Color

56.4625, 0.2648, 0.2868

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.2317, 0.2936, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4625, 0.2648, 0.2868 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(166, 202, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 202, 237)  
}
```

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(166, 202, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 202, 237) }
```

Border

The CSS property to change the border of an element to Yxy 56.4625, 0.2648, 0.2868 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(166, 202, 237) }
```

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

```
.border{ border-color:rgb(166, 202, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 202, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 202, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 202, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 202,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4625, 0.2648, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 202, 237) }
```

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

```
.background{ background-color: rgb(166,  
202, 237) }
```

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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