

Converting Colors

$Y_{xy}(56.2699, 0.2739, 0.3066)$

Have a look what the booklet for
Yxy(56.2699, 0.2739, 0.3066)
contains.

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Color

Yxy(56.0928, 0.2737, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	A6CBDE
RGB	166, 203, 222
RGB Percent	65%, 80%, 87%
CMY	0.3490, 0.2039, 0.1293
CMYK	0.25, 0.09, 0.00, 0.13
HSL	200°, 46%, 76%
HSV	200°, 25%, 87%
XYZ	50.2705, 56.0928, 77.3067
YIQ	194.1030, -28.1510, -1.9350

Conversions

Conversions Part 2

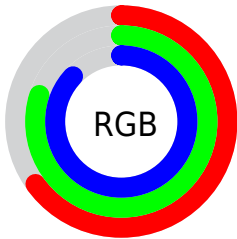
Format	Color
RYB	166, 188, 222
Decimal	10931166
CIELab	79.67, -8.00, -13.48
CIELCh	80, 15.676, 239.305
Yxy	56.0928, 0.2737, 0.3054
Android (android.graphics.Color)	4289121246 (0xFFA6CBDE)
YUV	194.1030, 13.7532, -24.6463
Hunter-Lab	74.8951, -11.2552, -8.7725

Details

The Yxy color **56.0928, 0.2737, 0.3054** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0022, 0.3605, 0.3514**, and the grayscale version is **53.9450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.7956, 0.2639, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **50.4226, 0.2586, 0.2945**, and if you desaturate by 10%, it is **62.3551, 0.2892, 0.3155**.

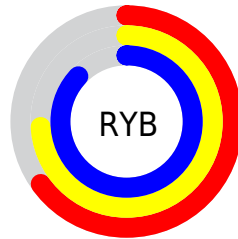
Distribution



Red (65%)

Green (80%)

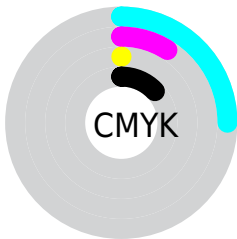
Blue (87%)



Red (65%)

Yellow (74%)

Blue (87%)

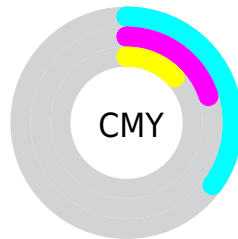


Cyan (25%)

Magenta (9%)

Yellow (0%)

Black (13%)



Cyan (35%)

Magenta (20%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0928, 0.2737, 0.3054 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 56.0928, 0.2737, 0.3054 by changing the saturation by 10% instead.

■ 56.0928, 0.2737,
0.3054

■ 56.0928, 0.2737,
0.3054

■ 410.0411, 0.2924,
0.3170

■ 40.2773, 0.2693,
0.3026

■ 99.1402, 0.2803,
0.3096

■ 27.7548, 0.2638,
0.2990

■ 127.1410, 0.2828,
0.3111

■ 18.1409, 0.2567,
0.2943

■ 159.9723, 0.2850,
0.3125

■ 11.0512, 0.2472,
0.2879

■ 198.0186, 0.2869,
0.3136

■ 6.1013, 0.2339,
0.2787

■ 241.6642, 0.2885,
0.3147

■ 2.9068, 0.2140,
0.2643

■ 291.2936, 0.2899,

■ 1.0833, 0.1817,

0.3155

0.2394

347.2911, 0.2912,
0.3163

0.0000, 0.0000,
0.0000

56.0928, 0.2737,
0.3054

56.0928, 0.2737,
0.3054

50.4226, 0.2586,
0.2945

62.3551, 0.2892,
0.3155

45.3140, 0.2441,
0.2828

69.2248, 0.3047,
0.3246

40.7436, 0.2308,
0.2704

76.7251, 0.3200,
0.3328

36.6832, 0.2189,
0.2576

84.8756, 0.3348,
0.3401

33.1014, 0.2088,
0.2445

89.2765, 0.3340,
0.3475

■ 29.9620, 0.2007,
0.2314

■ 93.8277, 0.3330,
0.3547

■ 27.2210, 0.1947,
0.2185

■ 98.0557, 0.3321,
0.3611

■ 26.0209, 0.1924,
0.2124

Harmonies

Analogous

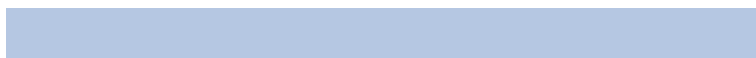
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0928, 0.2765, 0.3219



56.0928, 0.2737, 0.3054



56.0928, 0.2809, 0.2960

Triad

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



56.0928, 0.2737, 0.3054



56.0928, 0.3369, 0.3169



56.0928, 0.3281, 0.3652

Complementary

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



56.0928, 0.2737, 0.3054



53.0022, 0.3605, 0.3514

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.



56.0928, 0.3450, 0.3625



56.0928, 0.2737, 0.3054



56.0928, 0.3503, 0.3342

Square

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



56.0928, 0.2737, 0.3054



56.0928, 0.3170, 0.3029



56.0928, 0.3533, 0.3509



56.0928, 0.3074, 0.3574

Rectangle

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



56.0928, 0.2737, 0.3054



56.0928, 0.2906, 0.2945



56.0928, 0.3533, 0.3509



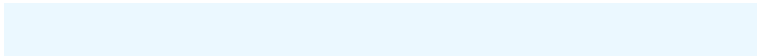
56.0928, 0.3344, 0.3654

Sweetspot

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



56.0951, 0.2737, 0.3054



91.9920, 0.3003, 0.3221



63.8568, 0.2978, 0.3760



19.3811, 0.2980, 0.3207



0.0000, 0.0000, 0.0000



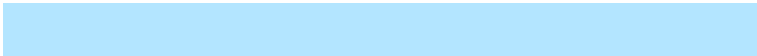
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0951, 0.2737, 0.3054



72.7897, 0.2661, 0.3000



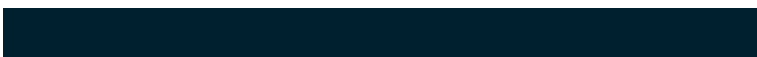
44.1771, 0.2705, 0.2697



14.7471, 0.2982, 0.3208



15.6645, 0.1929, 0.2143



1.2497, 0.1984, 0.2340

Inverse Universe

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



47.1210, 0.3318, 0.2866



58.9580, 0.3366, 0.2780



65.7232, 0.3531, 0.3821



13.8524, 0.3189, 0.3136



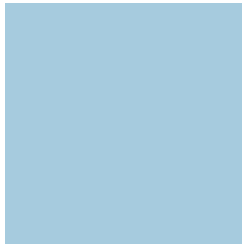
10.4894, 0.4294, 0.2139



0.7436, 0.4084, 0.2024

Previews

White Background



This preview shows how the Yxy color 56.0928, 0.2737, 0.3054 looks on a white background.

Color Contrast Check

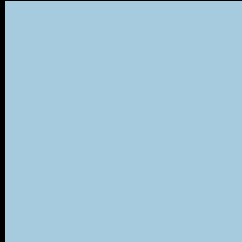
Large Text (above 18pt) WCAG AA × Fail

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 56.0928, 0.2737, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

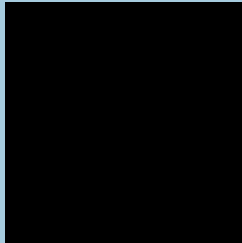
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0928, 0.2737, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 56.0928, 0.2737, 0.3054.



This preview shows how white text looks on a background with the Yxy color 56.0928, 0.2737, 0.3054.

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

56.0928, 0.2737, 0.3054

Protanopia

55.9589, 0.2962, 0.3041

Deuteranopia

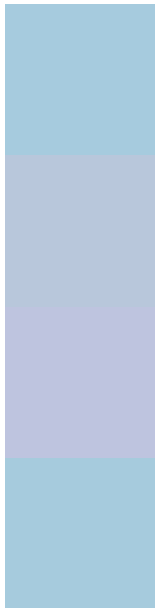
55.7776, 0.2981, 0.2920



Tritanopia

55.9862, 0.2749, 0.3078

Trichromacy



Original Color

56.0928, 0.2737, 0.3054

Protanomaly

56.1517, 0.2876, 0.3049

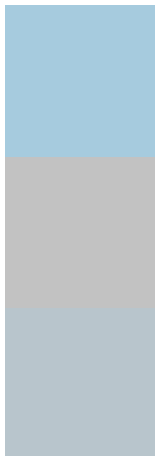
Deuteranomaly

55.7547, 0.2892, 0.2969

Tritanomaly

56.0393, 0.2743, 0.3066

Monochromacy



Original Color

56.0928, 0.2737, 0.3054

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.4825, 0.2977, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0928, 0.2737, 0.3054 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, 203, 222)` looks like.

```
.text, #text, p{  
    color:rgb(166, 203, 222)  
}
```

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, 203, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 203, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.0928, 0.2737, 0.3054 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, 203, 222) }
```

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

```
.border{ border-color:rgb(166, 203, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 203, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 203, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 203, 222);  
box-shadow:4px 4px 4px 4px rgb(166, 203,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0928, 0.2737, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 203, 222) }
```

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

```
.background{ background-color: rgb(166,  
203, 222) }
```

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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