

Converting Colors

$Y_{xy}(55.9669, 0.2502, 0.2931)$

Have a look what the booklet for
Yxy(55.9669, 0.2502, 0.2931)
contains.

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Color

Yxy(56.0271, 0.2506, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	8ACFEB
RGB	138, 207, 235
RGB Percent	54%, 81%, 92%
CMY	0.4588, 0.1882, 0.0785
CMYK	0.41, 0.12, 0.00, 0.08
HSL	197°, 71%, 73%
HSV	197°, 41%, 92%
XYZ	47.7889, 56.0271, 86.8821
YIQ	189.5610, -50.1120, -5.9200

Conversions

Conversions Part 2

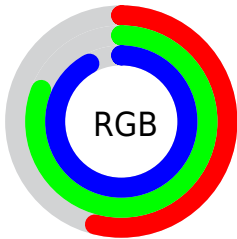
Format	Color
RYB	138, 178, 235
Decimal	9097195
CIELab	79.63, -14.61, -20.63
CIELCh	80, 25.275, 234.694
Yxy	56.0271, 0.2506, 0.2938
Android (android.graphics.Color)	4287287275 (0xFF8ACFEB)
YUV	189.5610, 22.4014, -45.2190
Hunter-Lab	74.8513, -17.0260, -16.4238

Details

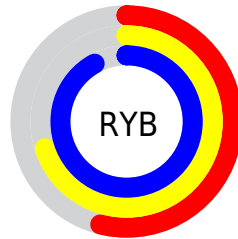
The Yxy color **56.0271, 0.2506, 0.2938** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.7666, 0.4051, 0.3610**, and the grayscale version is **51.1199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **27.8310, 0.2356, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **51.0212, 0.2374, 0.2836**, and if you desaturate by 10%, it is **61.6120, 0.2649, 0.3034**.

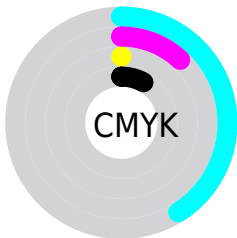
Distribution



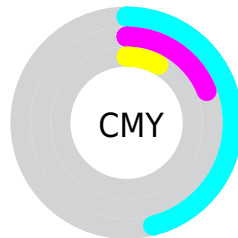
- Red (54%)
- Green (81%)
- Blue (92%)



- Red (54%)
- Yellow (70%)
- Blue (92%)



- Cyan (41%)
- Magenta (12%)
- Yellow (0%)
- Black (8%)



- Cyan (46%)
- Magenta (19%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0271, 0.2506, 0.2938 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 56.0271, 0.2506, 0.2938 by changing the saturation by 10% instead.

■ 56.0271, 0.2506,
0.2938

■ 56.0271, 0.2506,
0.2938

■ 409.7936, 0.2800,
0.3113

■ 40.2247, 0.2438,
0.2895

■ 99.0442, 0.2609,
0.3001

■ 27.7137, 0.2353,
0.2841

■ 127.0276, 0.2649,
0.3025

■ 18.1100, 0.2246,
0.2770

■ 159.8402, 0.2683,
0.3045

■ 11.0290, 0.2104,
0.2674

■ 197.8663, 0.2712,
0.3062

■ 6.0863, 0.1912,
0.2536

■ 241.4903, 0.2738,
0.3077

■ 2.8976, 0.1638,
0.2326

■ 291.0966, 0.2761,

■ 1.0785, 0.1207,

0.3091

0.1982

347.0695, 0.2781,
0.3102

0.0000, 0.0000,
0.0000

56.0271, 0.2506,
0.2938

56.0271, 0.2506,
0.2938

51.0212, 0.2374,
0.2836

61.6120, 0.2649,
0.3034

46.5579, 0.2256,
0.2729

67.7968, 0.2799,
0.3124

42.6060, 0.2155,
0.2620

74.6092, 0.2953,
0.3206

39.1273, 0.2074,
0.2510

82.0729, 0.3108,
0.3281

36.0767, 0.2013,
0.2401

90.1138, 0.3257,
0.3348

■ 33.6999, 0.1974,
0.2306

■ 94.2014, 0.3251,
0.3414

■ 98.4399, 0.3245,
0.3478

■ 98.7774, 0.3244,
0.3483

Harmonies

Analogous

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



56.0271, 0.2572, 0.3213



56.0271, 0.2506, 0.2938



56.0271, 0.2594, 0.2776

Triad

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



56.0271, 0.2506, 0.2938



56.0271, 0.3471, 0.3057



56.0271, 0.3417, 0.3886

Complementary

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



56.0271, 0.2506, 0.2938



46.7666, 0.4051, 0.3610

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.



56.0271, 0.3677, 0.3803



56.0271, 0.2506, 0.2938



56.0271, 0.3714, 0.3321

Square

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



56.0271, 0.2506, 0.2938



56.0271, 0.3140, 0.2853



56.0271, 0.3790, 0.3592



56.0271, 0.3087, 0.3789

Rectangle

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



56.0271, 0.2506, 0.2938



56.0271, 0.2732, 0.2744



56.0271, 0.3790, 0.3592



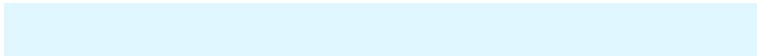
56.0271, 0.3515, 0.3877

Sweetspot

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



56.0293, 0.2506, 0.2938



89.1462, 0.2941, 0.3200



67.5481, 0.2921, 0.4196



18.8429, 0.2921, 0.3190



0.0000, 0.0000, 0.0000



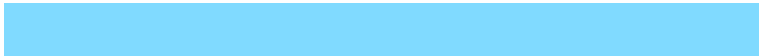
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0293, 0.2506, 0.2938



62.0211, 0.2387, 0.2847



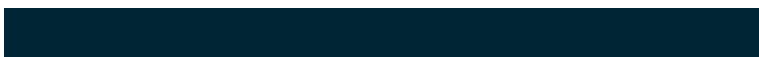
36.2065, 0.2403, 0.2296



16.3448, 0.2981, 0.3220



18.9874, 0.1979, 0.2324



1.6546, 0.2021, 0.2474

Inverse Universe

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



40.3460, 0.3437, 0.2539



41.6411, 0.3529, 0.2387



67.5764, 0.3829, 0.4114



15.2354, 0.3182, 0.3124



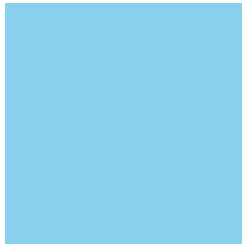
11.4096, 0.4102, 0.2033



0.9124, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 56.0271, 0.2506, 0.2938 looks on a white background.

Color Contrast Check

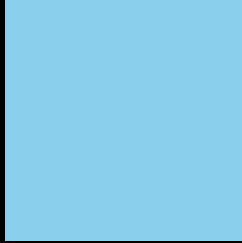
Large Text (above 18pt) WCAG AA × Fail

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 56.0271, 0.2506, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

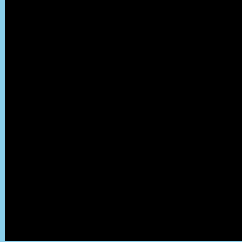
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0271, 0.2506, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 56.0271, 0.2506, 0.2938.



This preview shows how white text looks on a background with the Yxy color 56.0271, 0.2506, 0.2938.

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

56.0271, 0.2506, 0.2938

Protanopia

55.6526, 0.2872, 0.2913

Deuteranopia

55.4744, 0.2827, 0.2762



Tritanopia

56.1881, 0.2546, 0.3084

Trichromacy



Original Color

56.0271, 0.2506, 0.2938

Protanomaly

55.3307, 0.2724, 0.2914

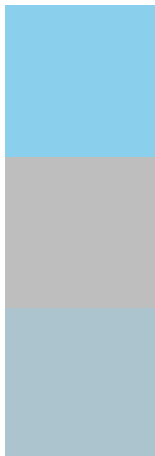
Deuteranomaly

55.0456, 0.2693, 0.2812

Tritanomaly

56.0031, 0.2528, 0.3022

Monochromacy



Original Color

56.0271, 0.2506, 0.2938

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.5940, 0.2867, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0271, 0.2506, 0.2938 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(138, 207, 235)` looks like.

```
.text, #text, p{  
    color:rgb(138, 207, 235)  
}
```

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(138, 207, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 207, 235) }
```

Border

The CSS property to change the border of an element to Yxy 56.0271, 0.2506, 0.2938 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(138, 207, 235) }
```

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

```
.border{ border-color:rgb(138, 207, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 207, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 207, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 207, 235);  
box-shadow:4px 4px 4px 4px rgb(138, 207,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0271, 0.2506, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 207, 235) }
```

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

```
.background{ background-color: rgb(138,  
207, 235) }
```

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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