

Converting Colors

$Y_{xy}(56.4909, 0.2517, 0.2916)$

Have a look what the booklet for
Yxy(56.4909, 0.2517, 0.2916)
contains.

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Color

Yxy(56.4909, 0.2517, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	8ECFED
RGB	142, 207, 237
RGB Percent	56%, 81%, 93%
CMY	0.4430, 0.1883, 0.0705
CMYK	0.40, 0.13, 0.00, 0.07
HSL	199°, 73%, 74%
HSV	199°, 40%, 93%
XYZ	48.7612, 56.4909, 88.4753
YIQ	190.9850, -48.3700, -4.4500

Conversions

Conversions Part 2

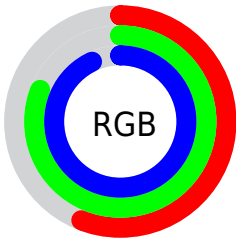
Format	Color
RYB	142, 181, 237
Decimal	9359341
CIELab	79.89, -13.06, -21.30
CIElCh	80, 24.986, 238.478
Yxy	56.4909, 0.2517, 0.2916
Android (android.graphics.Color)	4287549421 (0xFF8ECFED)
YUV	190.9850, 22.6854, -42.9598
Hunter-Lab	75.1604, -15.7269, -17.1811

Details

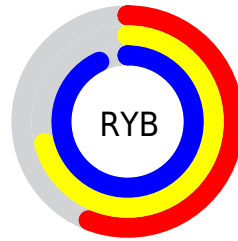
The Yxy color **56.4909, 0.2517, 0.2916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.4940, 0.4003, 0.3630**, and the grayscale version is **51.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **28.0971, 0.2367, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **51.0687, 0.2380, 0.2804**, and if you desaturate by 10%, it is **62.5356, 0.2664, 0.3021**.

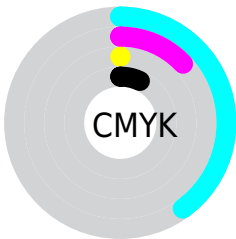
Distribution



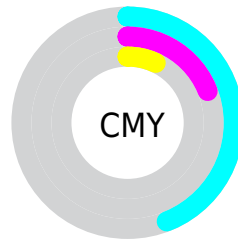
- Red (56%)
- Green (81%)
- Blue (93%)



- Red (56%)
- Yellow (71%)
- Blue (93%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4909, 0.2517, 0.2916 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 56.4909, 0.2517, 0.2916 by changing the saturation by 10% instead.

■ 56.4909, 0.2517,
0.2916

■ 56.4909, 0.2517,
0.2916

411.5389, 0.2805,
0.3100

■ 40.5966, 0.2450,
0.2871

■ 99.7220, 0.2618,
0.2982

■ 28.0040, 0.2367,
0.2815

■ 127.8276, 0.2657,
0.3007

■ 18.3287, 0.2262,
0.2741

160.7724, 0.2690,
0.3029

■ 11.1862, 0.2124,
0.2641

198.9409, 0.2719,
0.3047

■ 6.1922, 0.1936,
0.2500

242.7173, 0.2745,
0.3063

■ 2.9623, 0.1668,
0.2286

292.4862, 0.2767,

■ 1.1121, 0.1259,

0.3077

0.1939

348.6320, 0.2787,
0.3089

0.0000, 0.0000,
0.0000

56.4909, 0.2517,
0.2916

56.4909, 0.2517,
0.2916

51.0687, 0.2380,
0.2804

62.5356, 0.2664,
0.3021

46.2316, 0.2256,
0.2687

69.2246, 0.2816,
0.3119

41.9475, 0.2149,
0.2566

76.5862, 0.2971,
0.3209

38.1777, 0.2062,
0.2444

84.6452, 0.3126,
0.3289

34.8764, 0.1995,
0.2323

92.3572, 0.3241,
0.3363

■ 31.9884, 0.1946,
0.2205

■ 96.9706, 0.3235,
0.3434

■ 98.8961, 0.3232,
0.3463

Harmonies

Analogous

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



56.4909, 0.2563, 0.3176



56.4909, 0.2517, 0.2916



56.4909, 0.2623, 0.2773

Triad

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



56.4909, 0.2517, 0.2916



56.4909, 0.3503, 0.3091



56.4909, 0.3374, 0.3875

Complementary

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



56.4909, 0.2517, 0.2916



49.4940, 0.4003, 0.3630

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.



56.4909, 0.3644, 0.3815



56.4909, 0.2517, 0.2916



56.4909, 0.3725, 0.3356

Square

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



56.4909, 0.2517, 0.2916



56.4909, 0.3182, 0.2879



56.4909, 0.3776, 0.3619



56.4909, 0.3047, 0.3757

Rectangle

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



56.4909, 0.2517, 0.2916



56.4909, 0.2769, 0.2752



56.4909, 0.3776, 0.3619



56.4909, 0.3474, 0.3874

Sweetspot

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



56.4931, 0.2517, 0.2916



88.6333, 0.2941, 0.3192



69.2610, 0.2918, 0.4145



18.7218, 0.2920, 0.3180



0.0000, 0.0000, 0.0000



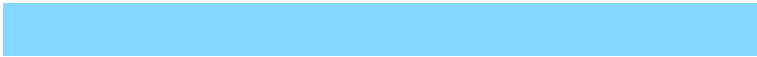
21.4041, 0.3127, 0.3290

Same Dimension

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



56.4931, 0.2517, 0.2916



61.4408, 0.2405, 0.2826



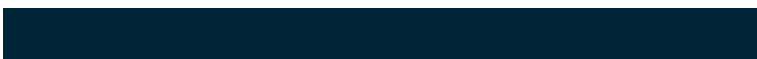
37.3711, 0.2422, 0.2309



16.2720, 0.2981, 0.3214



17.7058, 0.1951, 0.2225



1.5617, 0.1997, 0.2390

Inverse Universe

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



41.8702, 0.3451, 0.2586



42.8992, 0.3541, 0.2450



70.1215, 0.3801, 0.4107



15.2280, 0.3186, 0.3130



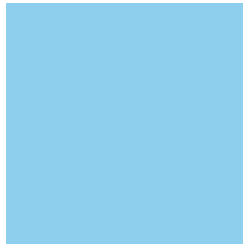
11.2802, 0.4206, 0.2090



0.9031, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 56.4909, 0.2517, 0.2916 looks on a white background.

Color Contrast Check

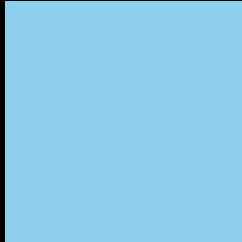
Large Text (above 18pt) WCAG AA × Fail

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 56.4909, 0.2517, 0.2916 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 56.4909, 0.2517, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 56.4909, 0.2517, 0.2916.



This preview shows how white text looks on a background with the Yxy color 56.4909, 0.2517, 0.2916.

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

56.4909, 0.2517, 0.2916

Protanopia

56.2134, 0.2859, 0.2903

Deuteranopia

56.0333, 0.2815, 0.2753



Tritanopia

56.5809, 0.2562, 0.3073

Trichromacy



Original Color

56.4909, 0.2517, 0.2916

Protanomaly

56.0190, 0.2720, 0.2905

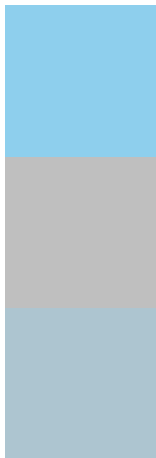
Deuteranomaly

55.8503, 0.2696, 0.2805

Tritanomaly

56.4004, 0.2544, 0.3011

Monochromacy



Original Color

56.4909, 0.2517, 0.2916

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.3708, 0.2869, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4909, 0.2517, 0.2916 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(142, 207, 237)` looks like.

```
.text, #text, p{  
    color:rgb(142, 207, 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(142, 207, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 207, 237) }
```

Border

The CSS property to change the border of an element to Yxy 56.4909, 0.2517, 0.2916 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(142, 207, 237) }
```

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

```
.border{ border-color:rgb(142, 207, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 207, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 207, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 207, 237);  
box-shadow:4px 4px 4px 4px rgb(142, 207,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4909, 0.2517, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 207, 237) }
```

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

```
.background{ background-color: rgb(142,  
207, 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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