

Converting Colors

$Yxy(57.1432, 0.2411, 0.2635)$

Have a look what the booklet for
Yxy(57.1432, 0.2411, 0.2635)
contains.

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Color

Yxy(56.8119, 0.2435, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	90CDFF
RGB	144, 205, 255
RGB Percent	56%, 80%, 100%
CMY	0.4350, 0.1961, 0.0001
CMYK	0.43, 0.20, 0.00, 0.00
HSL	207°, 100%, 78%
HSV	207°, 43%, 100%
XYZ	51.3882, 56.8119, 102.8397
YIQ	192.4610, -52.4060, 2.6180

Conversions

Conversions Part 2

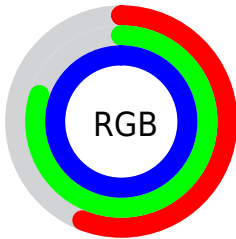
Format	Color
RYB	144, 183, 255
Decimal	9489919
CIELab	80.07, -6.78, -30.58
CIElCh	80, 31.328, 257.497
Yxy	56.8119, 0.2435, 0.2692
Android (android.graphics.Color)	4287679999 (0xFF90CDFF)
YUV	192.4610, 30.8317, -42.5003
Hunter-Lab	75.3737, -10.2064, -28.1336

Details

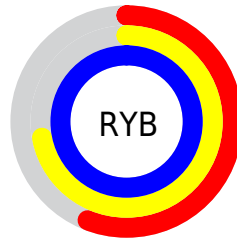
The Yxy color **56.8119, 0.2435, 0.2692** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.8774, 0.4039, 0.3811**, and the grayscale version is **52.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **28.2367, 0.2270, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **49.4732, 0.2284, 0.2524**, and if you desaturate by 10%, it is **65.0771, 0.2593, 0.2850**.

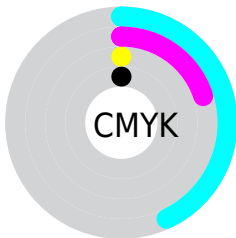
Distribution



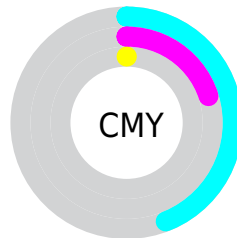
- Red (56%)
- Green (80%)
- Blue (100%)



- Red (56%)
- Yellow (72%)
- Blue (100%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8119, 0.2435, 0.2692 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 56.8119, 0.2435, 0.2692 by changing the saturation by 10% instead.

■ 56.8119, 0.2435,
0.2692

■ 56.8119, 0.2435,
0.2692

■ 412.7441, 0.2760,
0.2978

■ 40.8542, 0.2361,
0.2625

■ 100.1907, 0.2548,
0.2793

■ 28.2052, 0.2269,
0.2542

■ 128.3806, 0.2592,
0.2832

■ 18.4804, 0.2153,
0.2435

■ 161.4167, 0.2630,
0.2865

■ 11.2954, 0.2003,
0.2296

■ 199.6834, 0.2662,
0.2894

■ 6.2659, 0.1803,
0.2106

■ 243.5651, 0.2691,
0.2919

■ 3.0074, 0.1527,
0.1836

■ 293.4462, 0.2717,

■ 1.1356, 0.1134,

0.2941

0.1438

349.7111, 0.2739,
0.2961

0.0082, 0.0000,
0.0030

0.0000, 0.0000,
0.0000

56.8119, 0.2435,
0.2692

56.8119, 0.2435,
0.2692

49.4732, 0.2284,
0.2524

65.0771, 0.2593,
0.2850

43.0106, 0.2146,
0.2349

74.3029, 0.2755,
0.2997

37.3777, 0.2025,
0.2170

84.5287, 0.2916,
0.3131

32.5192, 0.1925,
0.1993

95.7900, 0.3073,
0.3251

■ 28.3695, 0.1849,
0.1822

99.9981, 0.3127,
0.3290

■ 25.9930, 0.1810,
0.1715

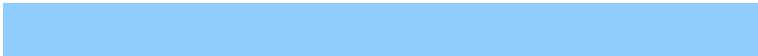
Harmonies

Analogous

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



56.8119, 0.2372, 0.2922



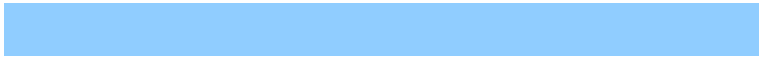
56.8119, 0.2435, 0.2692



56.8119, 0.2671, 0.2626

Triad

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



56.8119, 0.2435, 0.2692



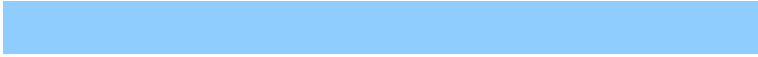
56.8119, 0.3797, 0.3242



56.8119, 0.3172, 0.3964

Complementary

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



56.8119, 0.2435, 0.2692



61.8774, 0.4039, 0.3811

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.



56.8119, 0.3567, 0.4022



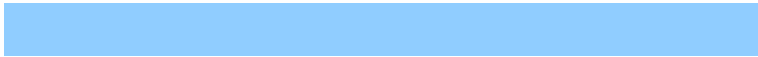
56.8119, 0.2435, 0.2692



56.8119, 0.3945, 0.3574

Square

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



56.8119, 0.2435, 0.2692



56.8119, 0.3457, 0.2937



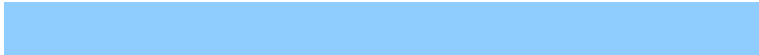
56.8119, 0.3856, 0.3864



56.8119, 0.2780, 0.3683

Rectangle

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



56.8119, 0.2435, 0.2692



56.8119, 0.2906, 0.2671



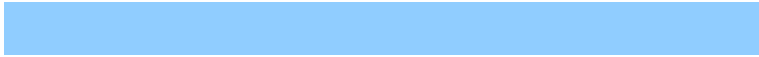
56.8119, 0.3856, 0.3864



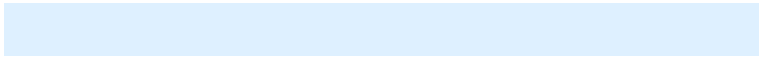
56.8119, 0.3309, 0.4010

Sweetspot

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



56.8140, 0.2435, 0.2692



85.0817, 0.2924, 0.3137



81.3317, 0.2821, 0.4025



17.7065, 0.2889, 0.3109



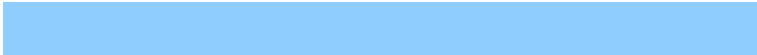
0.0000, 0.0000, 0.0000



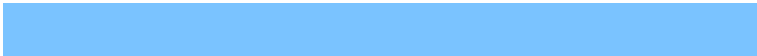
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8140, 0.2435, 0.2692



50.5254, 0.2306, 0.2549



34.8459, 0.2316, 0.1998



19.0320, 0.2979, 0.3180



13.8880, 0.1817, 0.1742



1.5706, 0.1870, 0.1933

Inverse Universe

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



45.6314, 0.3636, 0.2666



39.2286, 0.3783, 0.2553



91.2857, 0.3798, 0.4319



18.1541, 0.3208, 0.3160



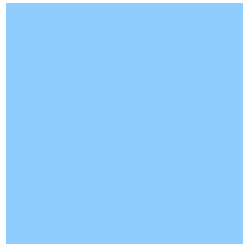
12.1300, 0.4755, 0.2393



1.2031, 0.4530, 0.2269

Previews

White Background



This preview shows how the Yxy color 56.8119, 0.2435, 0.2692 looks on a white background.

Color Contrast Check

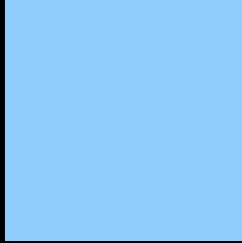
Large Text (above 18pt) WCAG AA × Fail

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 56.8119, 0.2435, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

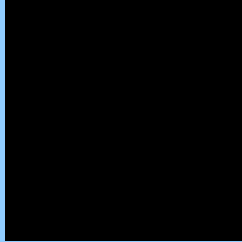
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

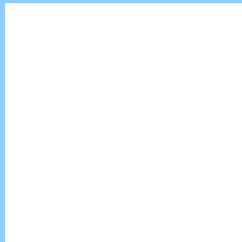
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8119, 0.2435, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 56.8119, 0.2435, 0.2692.



This preview shows how white text looks on a background with the Yxy color 56.8119, 0.2435, 0.2692.

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

56.8119, 0.2435, 0.2692

Protanopia

56.5715, 0.2700, 0.2694

Deuteranopia

56.6893, 0.2664, 0.2612



Tritanopia

56.8735, 0.2543, 0.3072

Trichromacy



Original Color

56.8119, 0.2435, 0.2692

Protanomaly

56.3579, 0.2591, 0.2683

Deuteranomaly

56.7248, 0.2575, 0.2643

Tritanomaly

56.7151, 0.2503, 0.2928

Monochromacy



Original Color

56.8119, 0.2435, 0.2692

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.9528, 0.2837, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8119, 0.2435, 0.2692 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(144, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 205, 255)  
}
```

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(144, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.8119, 0.2435, 0.2692 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(144, 205, 255) }
```

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

```
.border{ border-color:rgb(144, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8119, 0.2435, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 205, 255) }
```

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

```
.background{ background-color: rgb(144,  
205, 255) }
```

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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