

Converting Colors

$Yxy(56.8555, 0.2479, 0.2678)$

Have a look what the booklet for
Yxy(56.8555, 0.2479, 0.2678)
contains.

Yxy(56.7042, 0.2478, 0.2674)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7042, 0.2478, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	99CBFF
RGB	153, 203, 255
RGB Percent	60%, 80%, 100%
CMY	0.3999, 0.2039, 0.0000
CMYK	0.40, 0.20, 0.00, 0.00
HSL	211°, 100%, 80%
HSV	211°, 40%, 100%
XYZ	52.5479, 56.7042, 102.8055
YIQ	193.9780, -46.4920, 5.5720

Conversions

Conversions Part 2

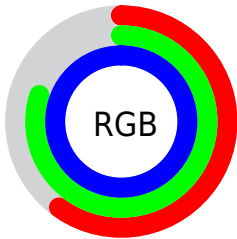
Format	Color
R _Y B	153, 187, 255
Decimal	10079231
CIE Lab	80.01, -3.48, -30.67
CIE LCh	80, 30.865, 263.528
Yxy	56.7042, 0.2478, 0.2674
Android (android.graphics.Color)	4288269311 (0xFF99CBFF)
YUV	193.9780, 30.0838, -35.9377
Hunter-Lab	75.3022, -7.2168, -28.2335

Details

The Yxy color **56.7042, 0.2478, 0.2674** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.2320, 0.3921, 0.3830**, and the grayscale version is **53.7760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **28.1135, 0.2321, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **48.5964, 0.2317, 0.2486**, and if you desaturate by 10%, it is **65.8580, 0.2644, 0.2850**.

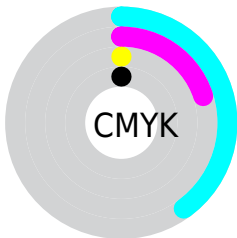
Distribution



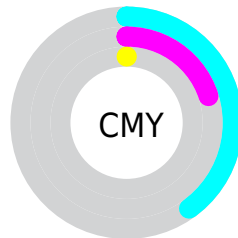
- Red (60%)
- Green (80%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7042, 0.2478, 0.2674 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 56.7042, 0.2478, 0.2674 by changing the saturation by 10% instead.

■ 56.7042, 0.2478,
0.2674

■ 56.7042, 0.2478,
0.2674

412.3400, 0.2784,
0.2967

■ 40.7678, 0.2408,
0.2606

■ 100.0334, 0.2585,
0.2777

■ 28.1377, 0.2321,
0.2521

■ 128.1951, 0.2626,
0.2817

■ 18.4295, 0.2211,
0.2413

161.2006, 0.2662,
0.2851

■ 11.2588, 0.2068,
0.2273

199.4344, 0.2692,
0.2880

■ 6.2412, 0.1876,
0.2082

243.2808, 0.2719,
0.2906

■ 2.9923, 0.1609,
0.1812

293.1243, 0.2743,

■ 1.1277, 0.1224,

0.2929

0.1416

349.3492, 0.2765,
0.2949

0.0014, 0.0000,
0.0005

0.0000, 0.0000,
0.0000

56.7042, 0.2478,
0.2674

56.7042, 0.2478,
0.2674

48.5964, 0.2317,
0.2486

65.8580, 0.2644,
0.2850

41.4869, 0.2165,
0.2288

76.0999, 0.2809,
0.3012

35.3249, 0.2029,
0.2087

87.4706, 0.2971,
0.3159

30.0532, 0.1913,
0.1886

100.0000, 0.3127,
0.3290

■ 25.6057, 0.1821,
0.1693

■ 21.8826, 0.1753,
0.1512

■ 21.8804, 0.1753,
0.1512

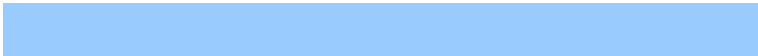
Harmonies

Analogous

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



56.7042, 0.2380, 0.2869



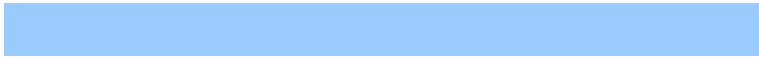
56.7042, 0.2478, 0.2674



56.7042, 0.2741, 0.2641

Triad

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



56.7042, 0.2478, 0.2674



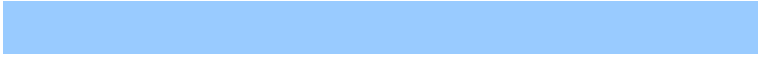
56.7042, 0.3835, 0.3309



56.7042, 0.3090, 0.3914

Complementary

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



56.7042, 0.2478, 0.2674



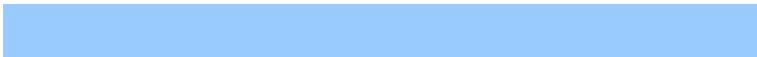
67.2320, 0.3921, 0.3830

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.



56.7042, 0.3488, 0.4018



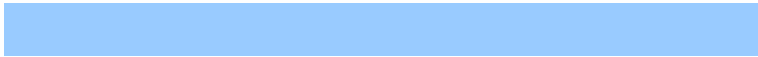
56.7042, 0.2478, 0.2674



56.7042, 0.3935, 0.3635

Square

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



56.7042, 0.2478, 0.2674



56.7042, 0.3530, 0.2997



56.7042, 0.3802, 0.3901



56.7042, 0.2718, 0.3602

Rectangle

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



56.7042, 0.2478, 0.2674



56.7042, 0.2987, 0.2705



56.7042, 0.3802, 0.3901



56.7042, 0.3225, 0.3975

Sweetspot

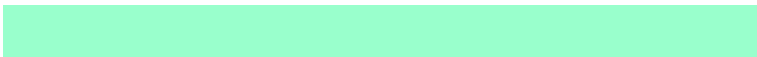
The Sweet Spot groups the original color and five complimentary colors.



56.7046, 0.2478, 0.2674



85.0969, 0.2939, 0.3131



82.6539, 0.2816, 0.3892



17.8888, 0.2918, 0.3112



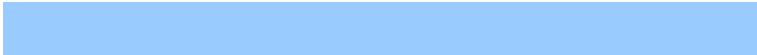
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



56.7046, 0.2478, 0.2674



50.1317, 0.2348, 0.2524



36.7817, 0.2381, 0.2057



18.8477, 0.2979, 0.3166



11.7300, 0.1761, 0.1541



1.3601, 0.1819, 0.1749

Inverse Universe

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



48.3595, 0.3639, 0.2775



41.7576, 0.3790, 0.2676



95.0804, 0.3728, 0.4284



18.1355, 0.3217, 0.3174



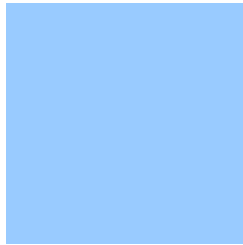
11.9121, 0.5006, 0.2532



1.1818, 0.4747, 0.2389

Previews

White Background



This preview shows how the Yxy color 56.7042, 0.2478, 0.2674 looks on a white background.

Color Contrast Check

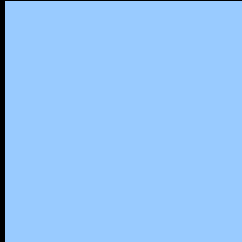
Large Text (above 18pt) WCAG AA × Fail

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 56.7042, 0.2478, 0.2674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

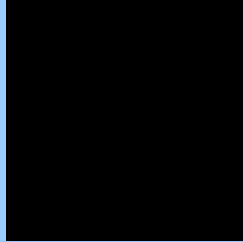
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

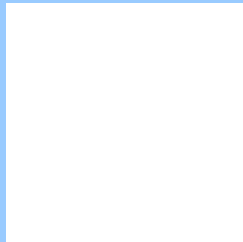
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7042, 0.2478, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 56.7042, 0.2478, 0.2674.



This preview shows how white text looks on a background with the Yxy color 56.7042, 0.2478, 0.2674.

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

56.7042, 0.2478, 0.2674

Protanopia

56.5723, 0.2681, 0.2672

Deuteranopia

56.6893, 0.2664, 0.2612



Tritanopia

56.5677, 0.2599, 0.3074

Trichromacy



Original Color

56.7042, 0.2478, 0.2674

Protanomaly

56.7594, 0.2604, 0.2676

Deuteranomaly

56.6068, 0.2592, 0.2634

Tritanomaly

56.4946, 0.2553, 0.2918

Monochromacy



Original Color

56.7042, 0.2478, 0.2674

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.4741, 0.2859, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7042, 0.2478, 0.2674 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(153, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 203, 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(153, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.7042, 0.2478, 0.2674 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(153, 203, 255) }
```

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

```
.border{ border-color:rgb(153, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7042, 0.2478, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 203, 255) }
```

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

```
.background{ background-color: rgb(153,  
203, 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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