

Converting Colors

$Yxy(56.6813, 0.2539, 0.2671)$

Have a look what the booklet for
Yxy(56.6813, 0.2539, 0.2671)
contains.

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Color

Yxy(56.7156, 0.2536, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	A3C9FE
RGB	163, 201, 254
RGB Percent	64%, 79%, 100%
CMY	0.3606, 0.2118, 0.0038
CMYK	0.36, 0.21, 0.00, 0.00
HSL	215°, 98%, 82%
HSV	215°, 36%, 100%
XYZ	53.8894, 56.7156, 101.8926
YIQ	195.6800, -39.6610, 8.4270

Conversions

Conversions Part 2

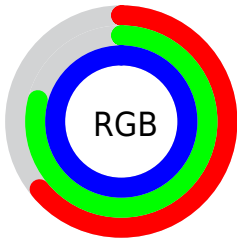
Format	Color
R _Y B	163, 190, 254
Decimal	10734078
CIE Lab	80.02, -0.04, -30.07
CIE LCh	80, 30.074, 269.917
Yxy	56.7156, 0.2536, 0.2669
Android (android.graphics.Color)	4288924158 (0xFFFA3C9FE)
YUV	195.6800, 28.7518, -28.6604
Hunter-Lab	75.3098, -4.0629, -27.5013

Details

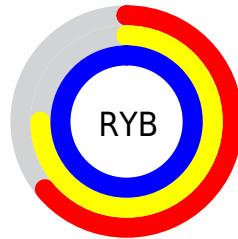
The Yxy color **56.7156, 0.2536, 0.2669** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.8727, 0.3796, 0.3838**, and the grayscale version is **54.8491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **28.0868, 0.2392, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **47.7255, 0.2364, 0.2457**, and if you desaturate by 10%, it is **66.9141, 0.2708, 0.2865**.

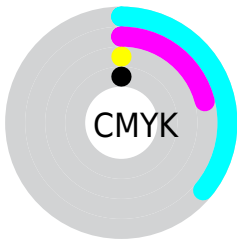
Distribution



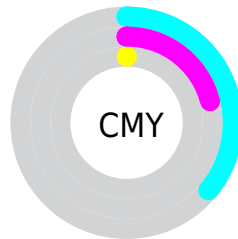
- Red (64%)
- Green (79%)
- Blue (100%)



- Red (64%)
- Yellow (75%)
- Blue (100%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7156, 0.2536, 0.2669 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 56.7156, 0.2536, 0.2669 by changing the saturation by 10% instead.

■ 56.7156, 0.2536,
0.2669

■ 56.7156, 0.2536,
0.2669

412.3828, 0.2816,
0.2963

■ 40.7770, 0.2471,
0.2601

■ 100.0501, 0.2634,
0.2772

■ 28.1448, 0.2391,
0.2517

■ 128.2147, 0.2672,
0.2812

■ 18.4349, 0.2289,
0.2410

161.2235, 0.2704,
0.2846

■ 11.2627, 0.2156,
0.2270

199.4607, 0.2732,
0.2875

■ 6.2438, 0.1977,
0.2081

243.3109, 0.2757,
0.2901

■ 2.9939, 0.1724,
0.1815

293.1584, 0.2779,

■ 1.1285, 0.1352,

0.2924

0.1424

349.3875, 0.2798,
0.2945

0.0021, 0.0004,
0.0008

0.0000, 0.0000,
0.0000

56.7156, 0.2536,
0.2669

56.7156, 0.2536,
0.2669

47.7255, 0.2364,
0.2457

66.9141, 0.2708,
0.2865

39.8862, 0.2198,
0.2234

78.3622, 0.2877,
0.3044

33.1443, 0.2044,
0.2005

91.1069, 0.3038,
0.3205

27.4386, 0.1909,
0.1777

99.9373, 0.3133,
0.3299

■ 22.7001, 0.1799,
0.1558

■ 18.8470, 0.1717,
0.1357

■ 17.4555, 0.1689,
0.1279

Harmonies

Analogous

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



56.7156, 0.2404, 0.2827



56.7156, 0.2536, 0.2669



56.7156, 0.2823, 0.2670

Triad

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



56.7156, 0.2536, 0.2669



56.7156, 0.3856, 0.3378



56.7156, 0.3009, 0.3846

Complementary

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



56.7156, 0.2536, 0.2669



72.8727, 0.3796, 0.3838

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.



56.7156, 0.3401, 0.3997



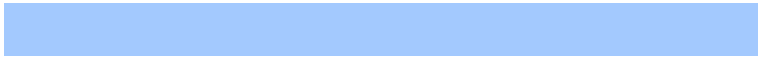
56.7156, 0.2536, 0.2669



56.7156, 0.3905, 0.3690

Square

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



56.7156, 0.2536, 0.2669



56.7156, 0.3595, 0.3065



56.7156, 0.3732, 0.3925



56.7156, 0.2663, 0.3514

Rectangle

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



56.7156, 0.2536, 0.2669



56.7156, 0.3075, 0.2751



56.7156, 0.3732, 0.3925



56.7156, 0.3139, 0.3921

Sweetspot

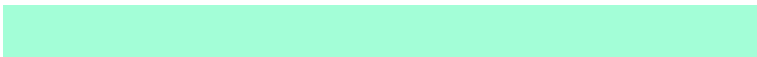
The Sweet Spot groups the original color and five complimentary colors.



56.7178, 0.2536, 0.2669



85.0707, 0.2955, 0.3124



83.5762, 0.2813, 0.3745



17.8388, 0.2933, 0.3102



0.0000, 0.0000, 0.0000



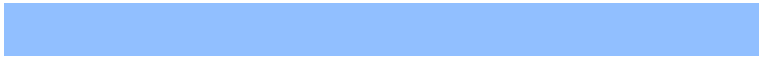
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7178, 0.2536, 0.2669



50.5700, 0.2412, 0.2518



41.8144, 0.2513, 0.2218



18.6226, 0.2979, 0.3148



9.4762, 0.1697, 0.1309



1.1325, 0.1759, 0.1531

Inverse Universe

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



51.5021, 0.3629, 0.2896



45.3832, 0.3776, 0.2817



93.4942, 0.3626, 0.4198



18.1128, 0.3228, 0.3191



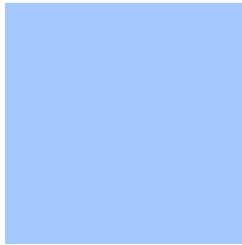
11.6846, 0.5314, 0.2701



1.1589, 0.5019, 0.2538

Previews

White Background



This preview shows how the Yxy color 56.7156, 0.2536, 0.2669 looks on a white background.

Color Contrast Check

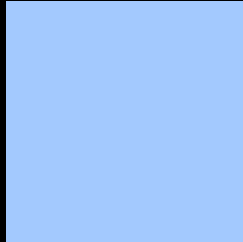
Large Text (above 18pt) WCAG AA × Fail

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 56.7156, 0.2536, 0.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

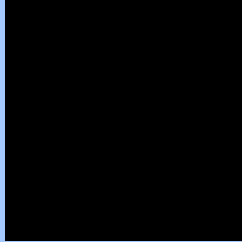
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

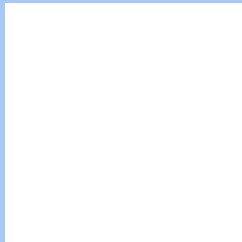
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7156, 0.2536, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 56.7156, 0.2536, 0.2669.



This preview shows how white text looks on a background with the Yxy color 56.7156, 0.2536, 0.2669.

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

56.7156, 0.2536, 0.2669

Protanopia

56.5723, 0.2681, 0.2672

Deuteranopia

56.3684, 0.2670, 0.2602



Tritanopia

57.0213, 0.2673, 0.3089

Trichromacy



Original Color

56.7156, 0.2536, 0.2669

Protanomaly

56.5833, 0.2626, 0.2677

Deuteranomaly

56.6175, 0.2615, 0.2627

Tritanomaly

56.9741, 0.2626, 0.2935

Monochromacy



Original Color

56.7156, 0.2536, 0.2669

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.5883, 0.2889, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7156, 0.2536, 0.2669 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(163, 201, 254)` looks like.

```
.text, #text, p{  
    color:rgb(163, 201, 254)  
}
```

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(163, 201, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 201, 254) }
```

Border

The CSS property to change the border of an element to Yxy 56.7156, 0.2536, 0.2669 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(163, 201, 254) }
```

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

```
.border{ border-color:rgb(163, 201, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 201, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 201, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 201, 254); box-shadow:4px 4px 4px 4px rgb(163, 201, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7156, 0.2536, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 201, 254) }
```

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

```
.background{ background-color: rgb(163,  
201, 254) }
```

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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