

Converting Colors

$Y_{xy}(55.5793, 0.2473, 0.2645)$

Have a look what the booklet for
Yxy(55.5793, 0.2473, 0.2645)
contains.

Yxy(55.7656, 0.2474, 0.2650)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.7656, 0.2474, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	99C9FF
RGB	153, 201, 255
RGB Percent	60%, 79%, 100%
CMY	0.4002, 0.2117, 0.0001
CMYK	0.40, 0.21, 0.00, 0.00
HSL	212°, 100%, 80%
HSV	212°, 40%, 100%
XYZ	52.0619, 55.7656, 102.6087
YIQ	192.8040, -45.9420, 6.6180

Conversions

Conversions Part 2

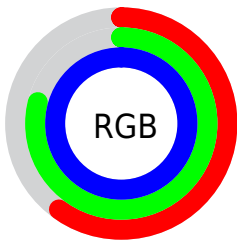
Format	Color
R _Y B	153, 186, 255
Decimal	10078719
CIE Lab	79.48, -2.45, -31.46
CIE LCh	79, 31.556, 265.544
Yxy	55.7656, 0.2474, 0.2650
Android (android.graphics.Color)	4288268799 (0xFF99C9FF)
YUV	192.8040, 30.6626, -34.9081
Hunter-Lab	74.6764, -6.2393, -29.1937

Details

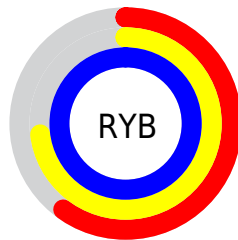
The Yxy color **55.7656, 0.2474, 0.2650** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.1319, 0.3913, 0.3849**, and the grayscale version is **53.0387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **27.4860, 0.2314, 0.2489** is the 20% darker color. If you saturate the color by 10%, you get **47.5332, 0.2310, 0.2454**, and if you desaturate by 10%, it is **65.0841, 0.2642, 0.2833**.

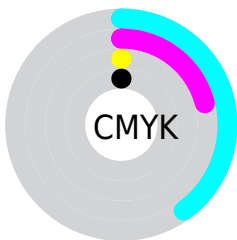
Distribution



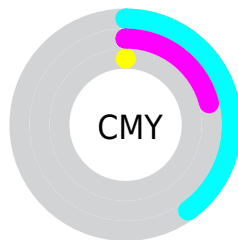
- Red (60%)
- Green (79%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7656, 0.2474, 0.2650 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 55.7656, 0.2474, 0.2650 by changing the saturation by 10% instead.

■ 55.7656, 0.2474,
0.2650

■ 55.7656, 0.2474,
0.2650

408.8075, 0.2782,
0.2955

■ 40.0150, 0.2403,
0.2579

■ 98.6618, 0.2582,
0.2757

■ 27.5503, 0.2315,
0.2491

■ 126.5762, 0.2623,
0.2798

■ 17.9869, 0.2203,
0.2380

159.3139, 0.2659,
0.2833

■ 10.9406, 0.2058,
0.2234

197.2595, 0.2690,
0.2864

■ 6.0269, 0.1864,
0.2036

240.7973, 0.2718,
0.2891

■ 2.8614, 0.1592,
0.1759

290.3116, 0.2742,

■ 1.0598, 0.1202,

0.2915

0.1353

346.1869, 0.2763,
0.2936

0.0000, 0.0000,
0.0000

55.7656, 0.2474,
0.2650

55.7656, 0.2474,
0.2650

47.5332, 0.2310,
0.2454

65.0841, 0.2642,
0.2833

40.3324, 0.2156,
0.2249

75.5271, 0.2808,
0.3001

34.1126, 0.2017,
0.2040

87.1383, 0.2971,
0.3154

28.8148, 0.1899,
0.1832

99.9574, 0.3127,
0.3290

24.3710, 0.1805,
0.1634

99.9986, 0.3127,
0.3290

■ 20.6853, 0.1736,
0.1449

Harmonies

Analogous

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



55.7656, 0.2362, 0.2838



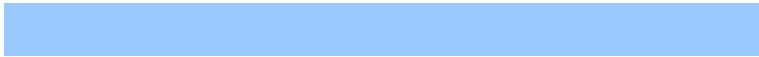
55.7656, 0.2474, 0.2650



55.7656, 0.2754, 0.2628

Triad

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



55.7656, 0.2474, 0.2650



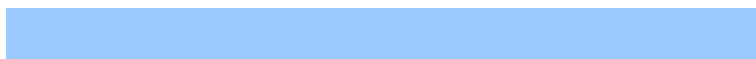
55.7656, 0.3869, 0.3331



55.7656, 0.3061, 0.3917

Complementary

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



55.7656, 0.2474, 0.2650



68.1319, 0.3913, 0.3849

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.



55.7656, 0.3471, 0.4040



55.7656, 0.2474, 0.2650



55.7656, 0.3955, 0.3664

Square

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



55.7656, 0.2474, 0.2650



55.7656, 0.3567, 0.3009



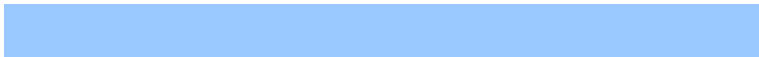
55.7656, 0.3804, 0.3931



55.7656, 0.2684, 0.3585

Rectangle

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



55.7656, 0.2474, 0.2650



55.7656, 0.3011, 0.2700



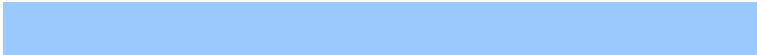
55.7656, 0.3804, 0.3931



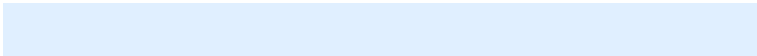
55.7656, 0.3199, 0.3985

Sweetspot

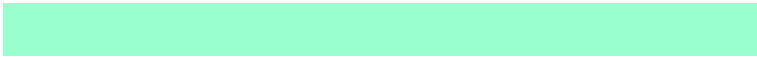
The Sweet Spot groups the original color and five complimentary colors.



55.7677, 0.2474, 0.2650



84.7578, 0.2939, 0.3125



82.7129, 0.2807, 0.3871



17.8091, 0.2918, 0.3105



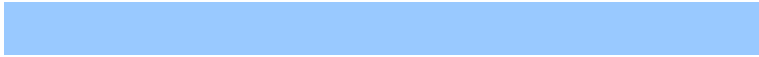
0.0000, 0.0000, 0.0000



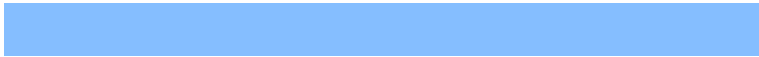
21.4041, 0.3127, 0.3290

Same Dimension

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



55.7677, 0.2474, 0.2650



49.1189, 0.2343, 0.2495



36.9155, 0.2392, 0.2059



18.7892, 0.2979, 0.3161



11.1039, 0.1744, 0.1479



1.2978, 0.1803, 0.1692

Inverse Universe

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



48.2375, 0.3658, 0.2794



41.6553, 0.3816, 0.2699



94.7394, 0.3717, 0.4288



18.1296, 0.3220, 0.3179



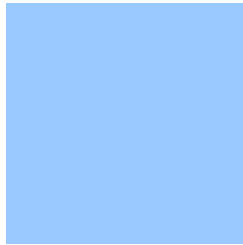
11.8489, 0.5087, 0.2576



1.1756, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 55.7656, 0.2474, 0.2650 looks on a white background.

Color Contrast Check

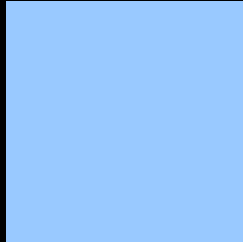
Large Text (above 18pt) WCAG AA × Fail

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 55.7656, 0.2474, 0.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

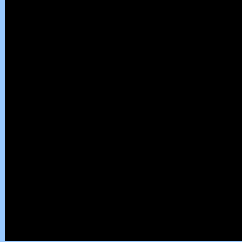
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

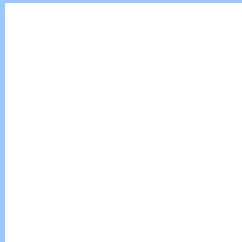
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7656, 0.2474, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 55.7656, 0.2474, 0.2650.



This preview shows how white text looks on a background with the Yxy color 55.7656, 0.2474, 0.2650.

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

55.7656, 0.2474, 0.2650

Protanopia

55.4308, 0.2666, 0.2646

Deuteranopia

55.4272, 0.2642, 0.2585



Tritanopia

55.9731, 0.2608, 0.3086

Trichromacy



Original Color

55.7656, 0.2474, 0.2650

Protanomaly

55.6187, 0.2588, 0.2650

Deuteranomaly

55.4705, 0.2577, 0.2608

Tritanomaly

55.9567, 0.2557, 0.2917

Monochromacy



Original Color

55.7656, 0.2474, 0.2650

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.9027, 0.2851, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7656, 0.2474, 0.2650 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 201, 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, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.7656, 0.2474, 0.2650 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, 201, 255) }
```

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

```
.border{ border-color:rgb(153, 201, 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, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7656, 0.2474, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 201, 255) }
```

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

```
.background{ background-color: rgb(153,  
201, 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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