

Converting Colors

$Yxy(56.6813, 0.2279, 0.2559)$

Have a look what the booklet for
Yxy(56.6813, 0.2279, 0.2559)
contains.

Yxy(55.9832, 0.2335, 0.2701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.9832, 0.2335, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	7ACFFF
RGB	122, 207, 255
RGB Percent	48%, 81%, 100%
CMY	0.5214, 0.1883, 0.0000
CMYK	0.52, 0.19, 0.00, 0.00
HSL	202°, 100%, 74%
HSV	202°, 52%, 100%
XYZ	48.3972, 55.9832, 102.8880
YIQ	187.0570, -66.0680, -3.0920

Conversions

Conversions Part 2

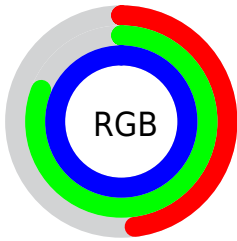
Format	Color
R _Y B	122, 174, 255
Decimal	8048639
CIE Lab	79.60, -12.82, -31.42
CIE LCh	80, 33.939, 247.807
Yxy	55.9832, 0.2335, 0.2701
Android (android.graphics.Color)	4286238719 (0xFF7ACFFF)
YUV	187.0570, 33.4959, -57.0550
Hunter-Lab	74.8219, -15.4789, -29.1547

Details

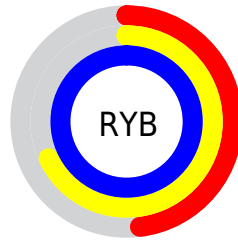
The Yxy color **55.9832, 0.2335, 0.2701** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.4368, 0.4354, 0.3787**, and the grayscale version is **49.5690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **27.7895, 0.2151, 0.2556** is the 20% darker color. If you saturate the color by 10%, you get **50.0266, 0.2208, 0.2564**, and if you desaturate by 10%, it is **62.6884, 0.2476, 0.2833**.

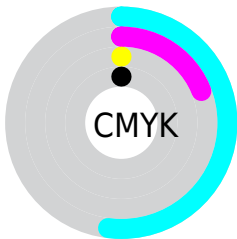
Distribution



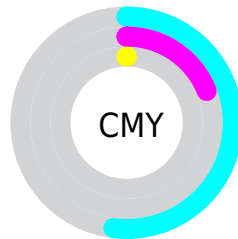
- Red (48%)
- Green (81%)
- Blue (100%)



- Red (48%)
- Yellow (68%)
- Blue (100%)



- Cyan (52%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9832, 0.2335, 0.2701 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 55.9832, 0.2335, 0.2701 by changing the saturation by 10% instead.

55.9832, 0.2335,
0.2701

55.9832, 0.2335,
0.2701

409.6282, 0.2705,
0.2987

40.1895, 0.2251,
0.2633

98.9800, 0.2463,
0.2802

27.6863, 0.2147,
0.2548

126.9519, 0.2513,
0.2841

18.0893, 0.2018,
0.2440

159.7519, 0.2556,
0.2875

11.0141, 0.1851,
0.2296

197.7645, 0.2594,
0.2903

6.0763, 0.1630,
0.2100

241.3740, 0.2627,
0.2928

2.8916, 0.1331,
0.1820

290.9648, 0.2656,

1.0754, 0.0912,

0.2950

0.1406

346.9214, 0.2682,
0.2970

0.0000, 0.0000,
0.0000

55.9832, 0.2335,
0.2701

55.9832, 0.2335,
0.2701

50.0266, 0.2208,
0.2564

62.6884, 0.2476,
0.2833

44.7750, 0.2098,
0.2424

70.1813, 0.2626,
0.2956

40.1789, 0.2008,
0.2283

78.4975, 0.2781,
0.3071

36.1793, 0.1940,
0.2143

87.6705, 0.2938,
0.3176

33.3868, 0.1899,
0.2037

97.7313, 0.3094,
0.3271

100.0000, 0.3127,
0.3290

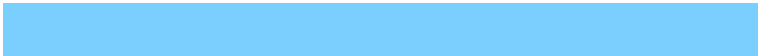
Harmonies

Analogous

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



55.9832, 0.2331, 0.3001



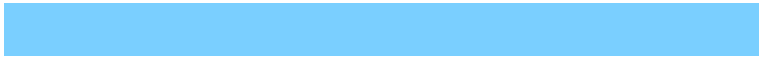
55.9832, 0.2335, 0.2701



55.9832, 0.2531, 0.2575

Triad

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



55.9832, 0.2335, 0.2701



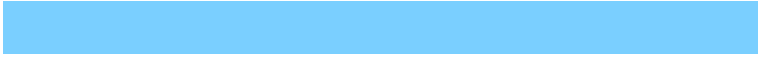
55.9832, 0.3755, 0.3122



55.9832, 0.3317, 0.4077

Complementary

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



55.9832, 0.2335, 0.2701



51.4368, 0.4354, 0.3787

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.



55.9832, 0.3723, 0.4052



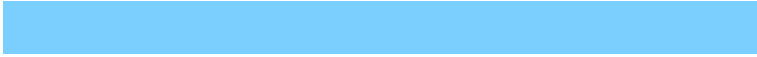
55.9832, 0.2335, 0.2701



55.9832, 0.3995, 0.3479

Square

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



55.9832, 0.2335, 0.2701



55.9832, 0.3340, 0.2818



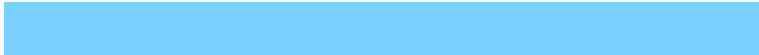
55.9832, 0.3978, 0.3818



55.9832, 0.2878, 0.3841

Rectangle

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



55.9832, 0.2335, 0.2701



55.9832, 0.2755, 0.2589



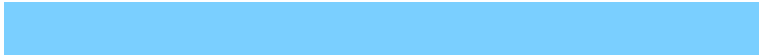
55.9832, 0.3978, 0.3818



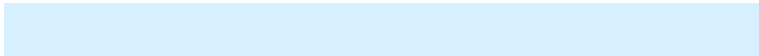
55.9832, 0.3462, 0.4097

Sweetspot

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



55.9833, 0.2335, 0.2701



84.0241, 0.2878, 0.3137



78.5100, 0.2841, 0.4380



17.5801, 0.2845, 0.3115



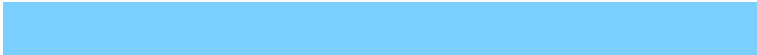
0.0000, 0.0000, 0.0000



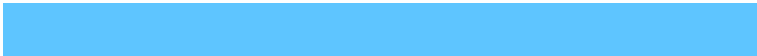
21.4041, 0.3127, 0.3290

Same Dimension

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



55.9833, 0.2335, 0.2701



49.5466, 0.2198, 0.2552



30.7046, 0.2166, 0.1860



19.3134, 0.2980, 0.3202



17.7388, 0.1905, 0.2059



1.9346, 0.1949, 0.2215

Inverse Universe

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



39.6957, 0.3655, 0.2440



33.3586, 0.3816, 0.2300



82.1158, 0.3984, 0.4392



18.1825, 0.3194, 0.3139



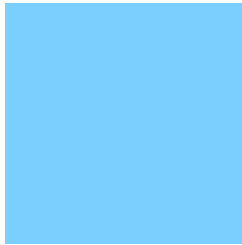
12.5187, 0.4386, 0.2190



1.2398, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 55.9832, 0.2335, 0.2701 looks on a white background.

Color Contrast Check

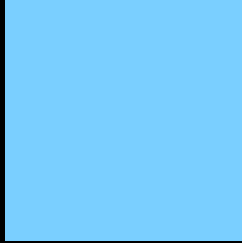
Large Text (above 18pt) WCAG AA × Fail

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 55.9832, 0.2335, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

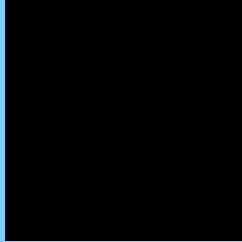
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

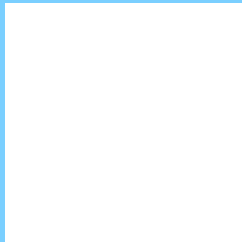
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9832, 0.2335, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 55.9832, 0.2335, 0.2701.

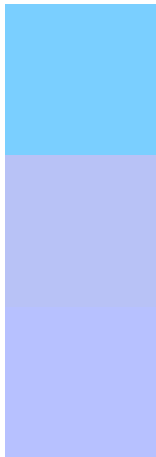


This preview shows how white text looks on a background with the Yxy color 55.9832, 0.2335, 0.2701.

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

55.9832, 0.2335, 0.2701

Protanopia

55.4277, 0.2703, 0.2690

Deuteranopia

55.4272, 0.2642, 0.2585



Tritanopia

56.2548, 0.2426, 0.3067

Trichromacy



Original Color

55.9832, 0.2335, 0.2701

Protanomaly

55.2635, 0.2547, 0.2696

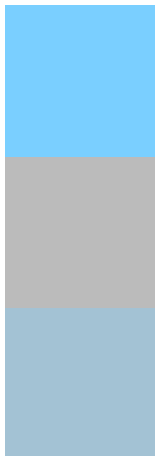
Deuteranomaly

55.1852, 0.2514, 0.2620

Tritanomaly

55.9792, 0.2392, 0.2932

Monochromacy



Original Color

55.9832, 0.2335, 0.2701

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.1236, 0.2769, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9832, 0.2335, 0.2701 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(122, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 207, 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(122, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.9832, 0.2335, 0.2701 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(122, 207, 255) }
```

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

```
.border{ border-color:rgb(122, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(122, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9832, 0.2335, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 207, 255) }
```

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

```
.background{ background-color: rgb(122,  
207, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor