

# Converting Colors

$Yxy(55.3618, 0.2333, 0.2684)$

Have a look what the booklet for  
Yxy(55.3618, 0.2333, 0.2684)  
contains.

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# Color

**Yxy(55.5002, 0.2332, 0.2689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ACEFF
RGB	122, 206, 255
RGB Percent	48%, 81%, 100%
CMY	0.5220, 0.1921, 0.0001
CMYK	0.52, 0.19, 0.00, 0.00
HSL	202°, 100%, 74%
HSV	202°, 52%, 100%
XYZ	48.1318, 55.5002, 102.7652
YIQ	186.4700, -65.7930, -2.5690

# Conversions

## Conversions Part 2

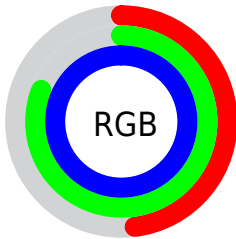
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">122, 173, 255</a>
Decimal	<a href="#">8048383</a>
CIELab	<a href="#">79.33, -12.36, -31.82</a>
CIElCh	<a href="#">79, 34.139, 248.770</a>
Yxy	<a href="#">55.5002, 0.2332, 0.2689</a>
Android (android.graphics.Color)	<a href="#">4286238463 (0xFF7ACEFF)</a>
YUV	<a href="#">186.4700, 33.7853, -56.5402</a>
Hunter-Lab	<a href="#">74.4985, -15.0474, -29.6373</a>

# Details

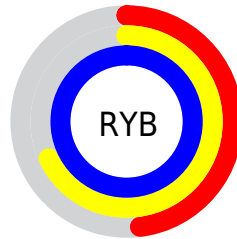
The Yxy color **55.5002, 0.2332, 0.2689** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.7239, 0.4351, 0.3797**, and the grayscale version is **49.2009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **27.4635, 0.2147, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **49.4983, 0.2204, 0.2549**, and if you desaturate by 10%, it is **62.2636, 0.2473, 0.2823**.

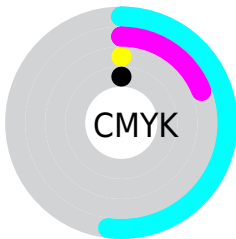
# Distribution



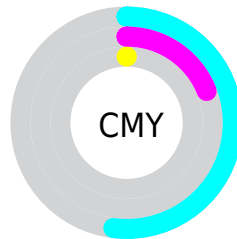
- Red (48%)
- Green (81%)
- Blue (100%)



- 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 55.5002, 0.2332, 0.2689 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 55.5002, 0.2332, 0.2689 by changing the saturation by 10% instead.




 55.5002, 0.2332,  
0.2689


 55.5002, 0.2332,  
0.2689


407.8052, 0.2704,  
0.2981

 39.8023, 0.2247,  
0.2620


 98.2734, 0.2461,  
0.2792

 27.3845, 0.2143,  
0.2533


 126.1176, 0.2511,  
0.2832

 17.8622, 0.2013,  
0.2423


 158.7793, 0.2555,  
0.2866

 10.8511, 0.1844,  
0.2277

196.6430, 0.2592,  
0.2895

 5.9668, 0.1622,  
0.2077

240.0931, 0.2625,  
0.2921

 2.8249, 0.1321,  
0.1792

289.5139, 0.2654,

 1.0410, 0.0897,

0.2943

0.1374

345.2898, 0.2680,  
0.2963

0.0000, 0.0000,  
0.0000

55.5002, 0.2332,  
0.2689

55.5002, 0.2332,  
0.2689

49.4983, 0.2204,  
0.2549

62.2636, 0.2473,  
0.2823

44.2081, 0.2093,  
0.2406

69.8219, 0.2624,  
0.2949

39.5818, 0.2002,  
0.2262

78.2131, 0.2780,  
0.3066

35.5601, 0.1933,  
0.2120

87.4707, 0.2937,  
0.3173

32.7757, 0.1892,  
0.2012

97.6261, 0.3093,  
0.3270

99.9987, 0.3127,  
0.3290

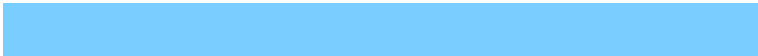
# Harmonies

## Analogous

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



55.5002, 0.2322, 0.2986



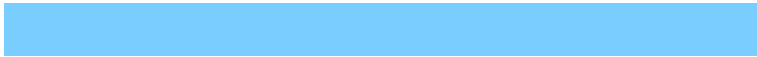
55.5002, 0.2332, 0.2689



55.5002, 0.2535, 0.2568

# Triad

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



55.5002, 0.2332, 0.2689



55.5002, 0.3772, 0.3132



55.5002, 0.3304, 0.4081

# Complementary

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



55.5002, 0.2332, 0.2689



51.7239, 0.4351, 0.3797

# 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.



55.5002, 0.3717, 0.4063



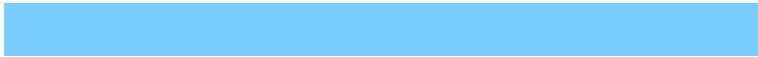
55.5002, 0.2332, 0.2689



55.5002, 0.4006, 0.3491

# Square

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



55.5002, 0.2332, 0.2689



55.5002, 0.3356, 0.2823



55.5002, 0.3981, 0.3832

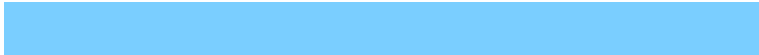


55.5002, 0.2862, 0.3835



# Rectangle

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



55.5002, 0.2332, 0.2689



55.5002, 0.2764, 0.2586



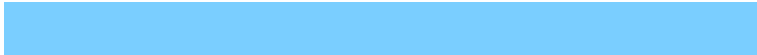
55.5002, 0.3981, 0.3832



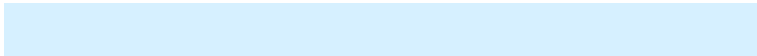
55.5002, 0.3451, 0.4104

# Sweetspot

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



55.5023, 0.2332, 0.2689



83.8622, 0.2877, 0.3134



78.5644, 0.2830, 0.4353



17.5414, 0.2845, 0.3112



0.0000, 0.0000, 0.0000

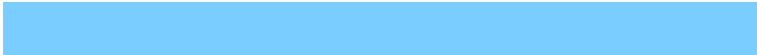


21.4041, 0.3127, 0.3290



# Same Dimension

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



55.5023, 0.2332, 0.2689



49.0572, 0.2194, 0.2538



29.9964, 0.2159, 0.1830



19.2922, 0.2979, 0.3200



17.4240, 0.1899, 0.2035



1.9053, 0.1943, 0.2194



# Inverse Universe

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



39.6044, 0.3665, 0.2447



33.3092, 0.3829, 0.2310



83.3621, 0.3974, 0.4412



18.1804, 0.3195, 0.3141



12.4869, 0.4413, 0.2205

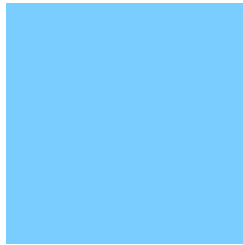


1.2369, 0.4239, 0.2109



# Previews

## White Background



This preview shows how the Yxy color 55.5002, 0.2332, 0.2689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

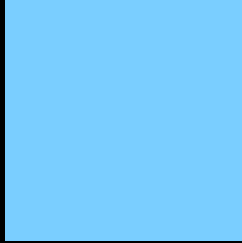
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.5002, 0.2332, 0.2689 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

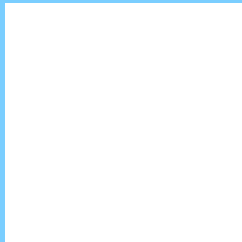
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.5002, 0.2332, 0.2689**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.5002, 0.2332, 0.2689.



This preview shows how white text looks on a background with the Yxy color 55.5002, 0.2332, 0.2689.

# 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

55.5002, 0.2332, 0.2689

### Protanopia

54.8610, 0.2695, 0.2677

### Deuteranopia

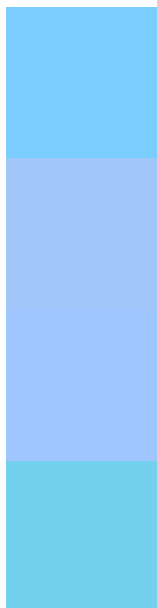
55.1837, 0.2629, 0.2583



## Tritanopia

55.6347, 0.2424, 0.3066

# Trichromacy



**Original Color**

55.5002, 0.2332, 0.2689

**Protanomaly**

54.8048, 0.2545, 0.2683

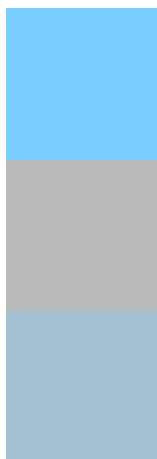
**Deuteranomaly**

55.0817, 0.2508, 0.2619

**Tritanomaly**

55.4870, 0.2390, 0.2918

# Monochromacy



**Original Color**

55.5002, 0.2332, 0.2689

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.6296, 0.2775, 0.3058

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.5002, 0.2332, 0.2689 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 206, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5002, 0.2332, 0.2689 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, 206, 255) }
```

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

```
.border{ border-color:rgb(122, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 206,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5002, 0.2332, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 206, 255) }
```

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

```
.background{ background-color: rgb(122,  
206, 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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