

Converting Colors

$Yxy(60.1023, 0.2102, 0.2141)$

Have a look what the booklet for
Yxy(60.1023, 0.2102, 0.2141)
contains.

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Color

Yxy(55.6972, 0.2318, 0.2699)

Conversions

Conversions Part 1

Format	Color
Hex	76CFFF
RGB	118, 207, 255
RGB Percent	46%, 81%, 100%
CMY	0.5372, 0.1882, 0.0000
CMYK	0.54, 0.19, 0.00, 0.00
HSL	201°, 100%, 73%
HSV	201°, 54%, 100%
XYZ	47.8348, 55.6972, 102.8304
YIQ	185.8610, -68.4520, -3.9400

Conversions

Conversions Part 2

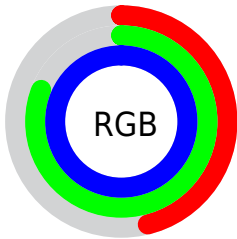
Format	Color
R _Y B	118, 172, 255
Decimal	7786495
CIE Lab	79.44, -13.67, -31.67
CIE LCh	79, 34.494, 246.654
Yxy	55.6972, 0.2318, 0.2699
Android (android.graphics.Color)	4285976575 (0xFF76CFFF)
YUV	185.8610, 34.0855, -59.5141
Hunter-Lab	74.6306, -16.1931, -29.4519

Details

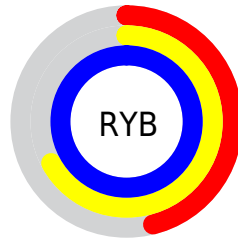
The Yxy color **55.6972, 0.2318, 0.2699** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.8455, 0.4415, 0.3785**, and the grayscale version is **48.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **27.5897, 0.2127, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **49.9409, 0.2195, 0.2566**, and if you desaturate by 10%, it is **62.1851, 0.2455, 0.2827**.

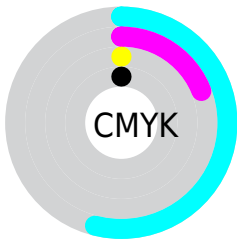
Distribution



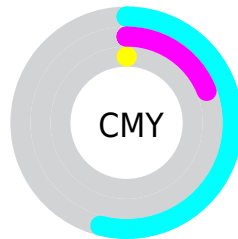
- Red (46%)
- Green (81%)
- Blue (100%)



- Red (46%)
- Yellow (67%)
- Blue (100%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6972, 0.2318, 0.2699 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 55.6972, 0.2318, 0.2699 by changing the saturation by 10% instead.


 55.6972, 0.2318,
0.2699


 55.6972, 0.2318,
0.2699


408.5494, 0.2696,
0.2987


 39.9602, 0.2232,
0.2631


 98.5617, 0.2449,
0.2801

 27.5075, 0.2127,
0.2545


 126.4580, 0.2500,
0.2840

 17.9547, 0.1994,
0.2435


 159.1762, 0.2544,
0.2874

 10.9175, 0.1824,
0.2291

197.1007, 0.2582,
0.2903

 6.0114, 0.1601,
0.2092

240.6159, 0.2616,
0.2928

 2.8520, 0.1298,
0.1809

290.1061, 0.2646,

 1.0550, 0.0870,

0.2950

0.1392

345.9558, 0.2672,
0.2969

0.0000, 0.0000,
0.0000

55.6972, 0.2318,
0.2699

55.6972, 0.2318,
0.2699

49.9409, 0.2195,
0.2566

62.1851, 0.2455,
0.2827

44.8660, 0.2090,
0.2429

69.4377, 0.2603,
0.2948

40.4244, 0.2005,
0.2293

77.4929, 0.2757,
0.3061

36.5554, 0.1941,
0.2158

86.3841, 0.2914,
0.3164

34.3641, 0.1910,
0.2076

96.1423, 0.3070,
0.3258

99.9996, 0.3127,
0.3290

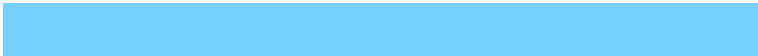
Harmonies

Analogous

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



55.6972, 0.2322, 0.3010



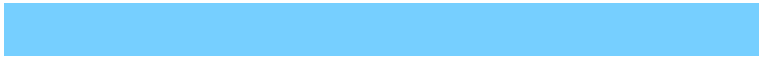
55.6972, 0.2318, 0.2699



55.6972, 0.2510, 0.2565

Triad

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



55.6972, 0.2318, 0.2699



55.6972, 0.3753, 0.3106



55.6972, 0.3337, 0.4096

Complementary

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



55.6972, 0.2318, 0.2699



49.8455, 0.4415, 0.3785

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.



55.6972, 0.3747, 0.4059



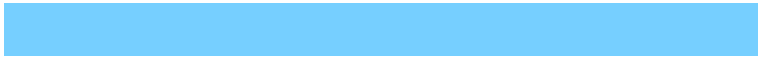
55.6972, 0.2318, 0.2699



55.6972, 0.4006, 0.3467

Square

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



55.6972, 0.2318, 0.2699



55.6972, 0.3325, 0.2801



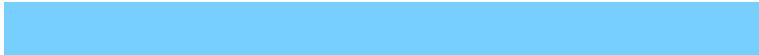
55.6972, 0.3999, 0.3814



55.6972, 0.2889, 0.3866

Rectangle

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



55.6972, 0.2318, 0.2699



55.6972, 0.2734, 0.2574



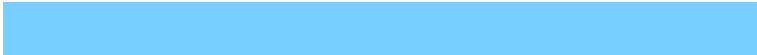
55.6972, 0.3999, 0.3814



55.6972, 0.3484, 0.4113

Sweetspot

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



55.6993, 0.2318, 0.2699



84.2820, 0.2878, 0.3141



78.1207, 0.2836, 0.4420



17.6417, 0.2845, 0.3120



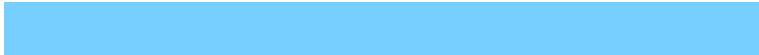
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.6993, 0.2318, 0.2699



49.7898, 0.2192, 0.2562



29.4137, 0.2134, 0.1809



19.3473, 0.2980, 0.3205



18.2479, 0.1916, 0.2098



1.9819, 0.1958, 0.2249

Inverse Universe

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



38.7264, 0.3661, 0.2404



32.9485, 0.3810, 0.2273



81.6682, 0.4009, 0.4421



18.1859, 0.3192, 0.3137



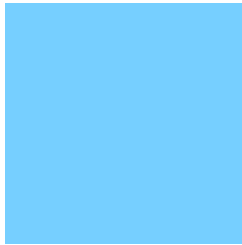
12.5701, 0.4344, 0.2167



1.2446, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 55.6972, 0.2318, 0.2699 looks on a white background.

Color Contrast Check

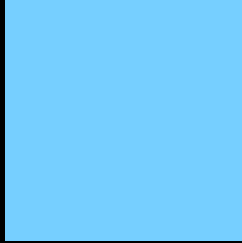
Large Text (above 18pt) WCAG AA × Fail

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 55.6972, 0.2318, 0.2699 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

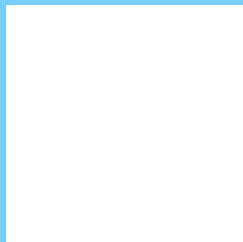
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6972, 0.2318, 0.2699

Background



This preview shows how black text looks on a background with the Yxy color 55.6972, 0.2318, 0.2699.

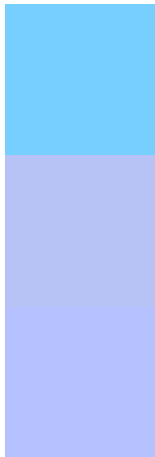


This preview shows how white text looks on a background with the Yxy color 55.6972, 0.2318, 0.2699.

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

55.6972, 0.2318, 0.2699

Protanopia

55.2434, 0.2702, 0.2699

Deuteranopia

55.3050, 0.2636, 0.2584



Tritanopia

55.9323, 0.2405, 0.3066

Trichromacy



Original Color

55.6972, 0.2318, 0.2699

Protanomaly

55.0573, 0.2535, 0.2694

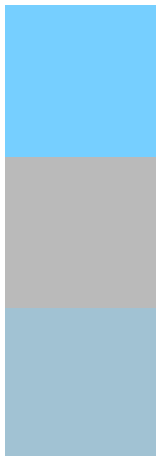
Deuteranomaly

54.9791, 0.2502, 0.2618

Tritanomaly

55.7110, 0.2375, 0.2930

Monochromacy



Original Color

55.6972, 0.2318, 0.2699

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.8638, 0.2762, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6972, 0.2318, 0.2699 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(118, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.6972, 0.2318, 0.2699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

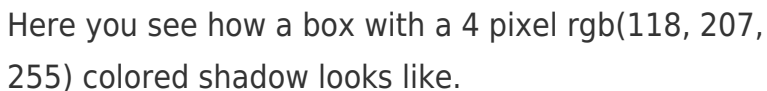
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 207, 255) }
```

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

```
.border{ border-color:rgb(118, 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(118, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 207, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 207, 255); box-shadow:4px 4px 4px 4px rgb(118, 207, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6972, 0.2318, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 207, 255) }
```

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

```
.background{ background-color: rgb(118,  
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](#).

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