

Converting Colors

$Y_{xy}(59.5663, 0.2120, 0.2123)$

Have a look what the booklet for
Yxy(59.5663, 0.2120, 0.2123)
contains.

Yxy(55.2426, 0.2343, 0.2678)	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(55.2426, 0.2343, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	7DCDFF
RGB	125, 205, 255
RGB Percent	49%, 80%, 100%
CMY	0.5099, 0.1960, 0.0001
CMYK	0.51, 0.20, 0.00, 0.00
HSL	203°, 100%, 74%
HSV	203°, 51%, 100%
XYZ	48.3321, 55.2426, 102.7083
YIQ	186.7800, -63.7300, -1.4100

Conversions

Conversions Part 2

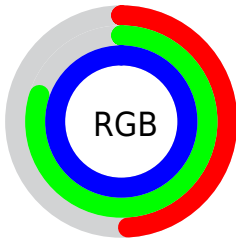
Format	Color
R _{YB}	125, 175, 255
Decimal	8244735
CIE _{Lab}	79.18, -11.17, -32.04
CIE _{LCh}	79, 33.933, 250.775
Yxy	55.2426, 0.2343, 0.2678
Android (android.graphics.Color)	4286434815 (0xFF7DCDFF)
YUV	186.7800, 33.6325, -54.1811
Hunter-Lab	74.3254, -13.9948, -29.9036

Details

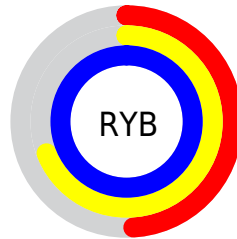
The Yxy color **55.2426, 0.2343, 0.2678** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.3723, 0.4299, 0.3808**, and the grayscale version is **49.3942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **27.2672, 0.2158, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **49.0231, 0.2211, 0.2532**, and if you desaturate by 10%, it is **62.2523, 0.2488, 0.2818**.

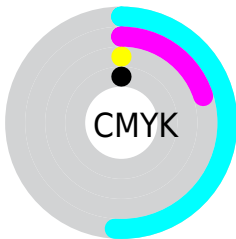
Distribution



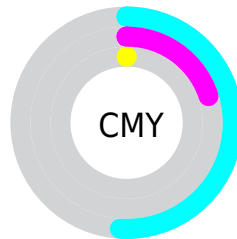
- Red (49%)
- Green (80%)
- Blue (100%)



- Red (49%)
- Yellow (69%)
- Blue (100%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2426, 0.2343, 0.2678 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 55.2426, 0.2343, 0.2678 by changing the saturation by 10% instead.


 55.2426, 0.2343,
0.2678

 55.2426, 0.2343,
0.2678


406.8309, 0.2710,
0.2975


 39.5960, 0.2259,
0.2608

 97.8963, 0.2471,
0.2783

 27.2237, 0.2156,
0.2520


 125.6722, 0.2520,
0.2823

 17.7413, 0.2027,
0.2408


 158.2600, 0.2563,
0.2858

 10.7644, 0.1860,
0.2261

196.0440, 0.2600,
0.2887

 5.9086, 0.1639,
0.2059

239.4087, 0.2633,
0.2913

 2.7896, 0.1339,
0.1773

288.7385, 0.2662,

 1.0229, 0.0917,

0.2936

0.1352

344.4178, 0.2687,
0.2957

0.0000, 0.0000,
0.0000

55.2426, 0.2343,
0.2678

55.2426, 0.2343,
0.2678

49.0231, 0.2211,
0.2532

62.2523, 0.2488,
0.2818

43.5439, 0.2095,
0.2382

70.0856, 0.2641,
0.2949

38.7573, 0.1999,
0.2231

78.7811, 0.2798,
0.3070

34.6046, 0.1926,
0.2082

88.3725, 0.2956,
0.3181

31.3267, 0.1876,
0.1952

98.8916, 0.3112,
0.3281

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



55.2426, 0.2319, 0.2963



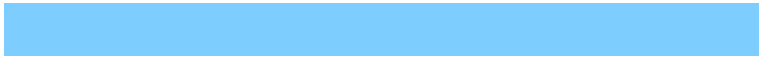
55.2426, 0.2343, 0.2678



55.2426, 0.2557, 0.2570

Triad

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



55.2426, 0.2343, 0.2678



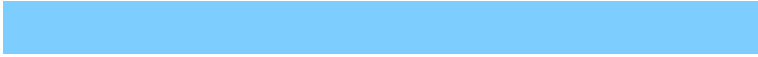
55.2426, 0.3792, 0.3156



55.2426, 0.3274, 0.4069

Complementary

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



55.2426, 0.2343, 0.2678



53.3723, 0.4299, 0.3808

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.



55.2426, 0.3690, 0.4068



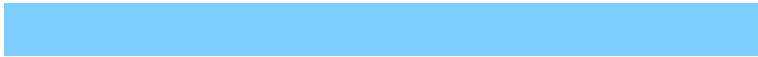
55.2426, 0.2343, 0.2678



55.2426, 0.4009, 0.3515

Square

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



55.2426, 0.2343, 0.2678



55.2426, 0.3386, 0.2843



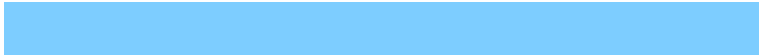
55.2426, 0.3966, 0.3849



55.2426, 0.2836, 0.3808

Rectangle

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



55.2426, 0.2343, 0.2678



55.2426, 0.2792, 0.2594



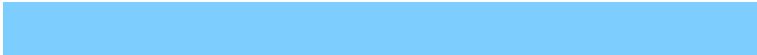
55.2426, 0.3966, 0.3849



55.2426, 0.3421, 0.4098

Sweetspot

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



55.2446, 0.2343, 0.2678



84.4297, 0.2893, 0.3138



78.9544, 0.2825, 0.4295



17.6389, 0.2860, 0.3114



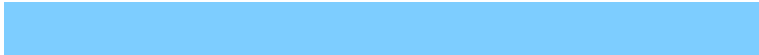
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.2446, 0.2343, 0.2678



49.0247, 0.2211, 0.2532



30.3718, 0.2178, 0.1843



19.2401, 0.2979, 0.3196



16.6693, 0.1882, 0.1976



1.8347, 0.1928, 0.2142

Inverse Universe

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



40.3238, 0.3671, 0.2484



34.2191, 0.3829, 0.2356



84.9479, 0.3945, 0.4407



18.1751, 0.3197, 0.3145



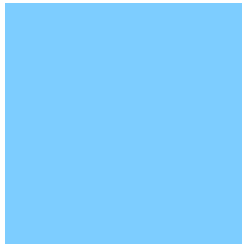
12.4107, 0.4480, 0.2242



1.2298, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 55.2426, 0.2343, 0.2678 looks on a white background.

Color Contrast Check

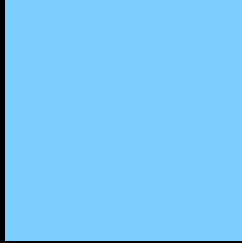
Large Text (above 18pt) WCAG AA × Fail

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 55.2426, 0.2343, 0.2678 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

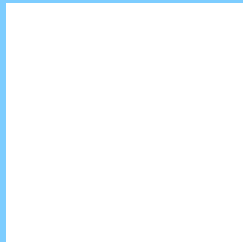
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2426, 0.2343, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 55.2426, 0.2343, 0.2678.



This preview shows how white text looks on a background with the Yxy color 55.2426, 0.2343, 0.2678.

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

55.2426, 0.2343, 0.2678

Protanopia

54.7388, 0.2688, 0.2676

Deuteranopia

54.7430, 0.2628, 0.2571



Tritanopia

55.2841, 0.2439, 0.3066

Trichromacy



Original Color

55.2426, 0.2343, 0.2678

Protanomaly

54.3491, 0.2544, 0.2671

Deuteranomaly

54.7296, 0.2512, 0.2608

Tritanomaly

55.1481, 0.2405, 0.2918

Monochromacy



Original Color

55.2426, 0.2343, 0.2678

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.2296, 0.2776, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2426, 0.2343, 0.2678 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(125, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 205, 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(125, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.2426, 0.2343, 0.2678 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(125, 205, 255) }
```

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

```
.border{ border-color:rgb(125, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2426, 0.2343, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 205, 255) }
```

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

```
.background{ background-color: rgb(125,  
205, 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