

Converting Colors

$Yxy(56.0767, 0.2358, 0.2697)$

Have a look what the booklet for
Yxy(56.0767, 0.2358, 0.2697)
contains.

Yxy(55.9518, 0.2359, 0.2693)	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(55.9518, 0.2359, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	80CEFF
RGB	128, 206, 255
RGB Percent	50%, 81%, 100%
CMY	0.4983, 0.1921, 0.0001
CMYK	0.50, 0.19, 0.00, 0.00
HSL	203°, 100%, 75%
HSV	203°, 50%, 100%
XYZ	49.0124, 55.9518, 102.8034
YIQ	188.2640, -62.2170, -1.2970

Conversions

Conversions Part 2

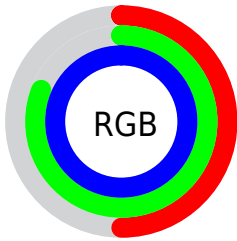
Format	Color
R_{YB}	128, 176, 255
Decimal	8441599
CIE _{Lab}	79.59, -11.06, -31.40
CIE _{LCh}	80, 33.292, 250.600
Yxy	55.9518, 0.2359, 0.2693
Android (android.graphics.Color)	4286631679 (0xFF80CEFF)
YUV	188.2640, 32.9008, -52.8515
Hunter-Lab	74.8009, -13.9418, -29.1251

Details

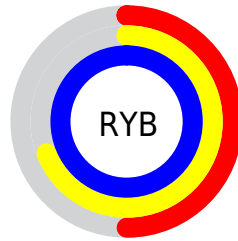
The Yxy color **55.9518, 0.2359, 0.2693** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.2149, 0.4262, 0.3799**, and the grayscale version is **50.2759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **27.7270, 0.2178, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **49.6353, 0.2225, 0.2547**, and if you desaturate by 10%, it is **63.0649, 0.2505, 0.2832**.

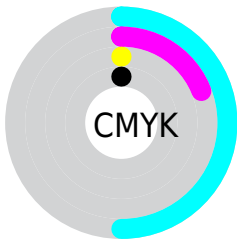
Distribution



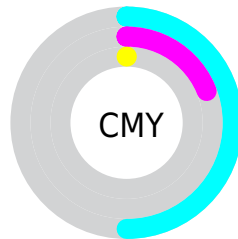
- Red (50%)
- Green (81%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9518, 0.2359, 0.2693 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 55.9518, 0.2359, 0.2693 by changing the saturation by 10% instead.

 55.9518, 0.2359,
0.2693

 55.9518, 0.2359,
0.2693


409.5098, 0.2718,
0.2982

 40.1643, 0.2277,
0.2625


 98.9341, 0.2484,
0.2795

 27.6667, 0.2176,
0.2540


 126.8977, 0.2532,
0.2834

 18.0745, 0.2049,
0.2431


 159.6887, 0.2574,
0.2868

 11.0035, 0.1886,
0.2287

197.6916, 0.2611,
0.2897

 6.0692, 0.1670,
0.2090

241.2908, 0.2642,
0.2922

 2.8872, 0.1375,
0.1811

290.8706, 0.2671,

 1.0731, 0.0963,

0.2945

0.1399

346.8155, 0.2696,
0.2964

0.0000, 0.0000,
0.0000

55.9518, 0.2359,
0.2693

55.9518, 0.2359,
0.2693

49.6353, 0.2225,
0.2547

63.0649, 0.2505,
0.2832

44.0657, 0.2107,
0.2397

71.0075, 0.2659,
0.2963

39.1964, 0.2009,
0.2245

79.8179, 0.2817,
0.3083

34.9697, 0.1932,
0.2096

89.5295, 0.2974,
0.3193

31.2970, 0.1876,
0.1951

99.9985, 0.3127,
0.3290

■ 31.2359, 0.1875,
0.1948

Harmonies

Analogous

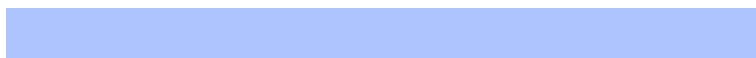
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9518, 0.2337, 0.2973



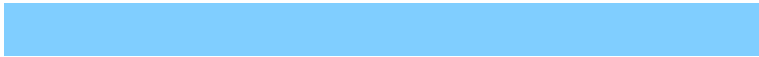
55.9518, 0.2359, 0.2693



55.9518, 0.2568, 0.2585

Triad

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



55.9518, 0.2359, 0.2693



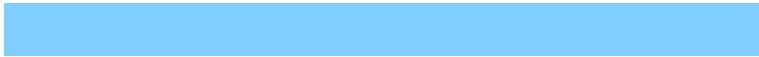
55.9518, 0.3774, 0.3157



55.9518, 0.3274, 0.4050

Complementary

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



55.9518, 0.2359, 0.2693



54.2149, 0.4262, 0.3799

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.



55.9518, 0.3680, 0.4050



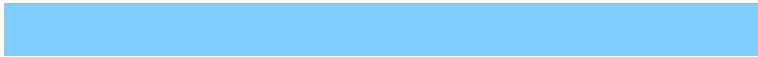
55.9518, 0.2359, 0.2693



55.9518, 0.3988, 0.3509

Square

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



55.9518, 0.2359, 0.2693



55.9518, 0.3378, 0.2851



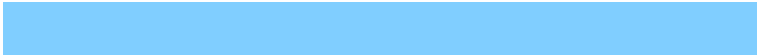
55.9518, 0.3948, 0.3836



55.9518, 0.2845, 0.3797

Rectangle

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



55.9518, 0.2359, 0.2693



55.9518, 0.2798, 0.2608



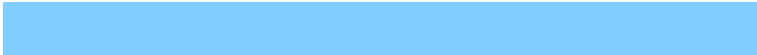
55.9518, 0.3948, 0.3836



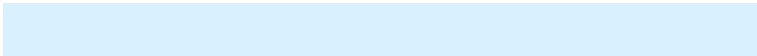
55.9518, 0.3418, 0.4079

Sweetspot

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



55.9539, 0.2359, 0.2693



84.4064, 0.2893, 0.3137



79.2490, 0.2829, 0.4267



17.6333, 0.2860, 0.3114



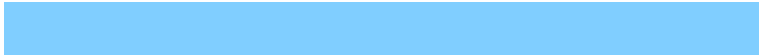
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.9539, 0.2359, 0.2693



49.5414, 0.2223, 0.2544



31.3748, 0.2202, 0.1881



19.2368, 0.2979, 0.3196



16.6229, 0.1881, 0.1972



1.8304, 0.1927, 0.2138

Inverse Universe

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



41.1342, 0.3655, 0.2502



34.7500, 0.3814, 0.2369



85.2238, 0.3927, 0.4384



18.1748, 0.3197, 0.3145



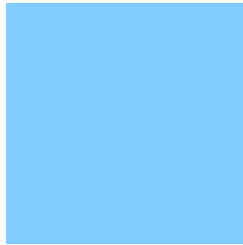
12.4061, 0.4484, 0.2244



1.2293, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 55.9518, 0.2359, 0.2693 looks on a white background.

Color Contrast Check

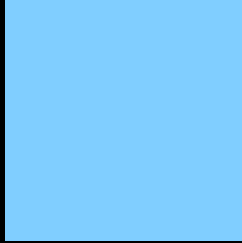
Large Text (above 18pt) WCAG AA × Fail

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 55.9518, 0.2359, 0.2693 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

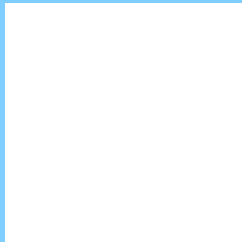
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9518, 0.2359, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 55.9518, 0.2359, 0.2693.



This preview shows how white text looks on a background with the Yxy color 55.9518, 0.2359, 0.2693.

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

55.9518, 0.2359, 0.2693

Protanopia

55.3047, 0.2696, 0.2689

Deuteranopia

55.4272, 0.2642, 0.2585



Tritanopia

56.1119, 0.2455, 0.3068

Trichromacy



Original Color

55.9518, 0.2359, 0.2693

Protanomaly

55.0143, 0.2557, 0.2685

Deuteranomaly

55.3947, 0.2526, 0.2622

Tritanomaly

55.9116, 0.2417, 0.2921

Monochromacy



Original Color

55.9518, 0.2359, 0.2693

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.8907, 0.2791, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9518, 0.2359, 0.2693 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(128, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.9518, 0.2359, 0.2693 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(128, 206, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9518, 0.2359, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 206, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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