

Converting Colors

$Yxy(55.9467, 0.2280, 0.2719)$

Have a look what the booklet for
Yxy(55.9467, 0.2280, 0.2719)
contains.

Yxy(55.9467, 0.2280, 0.2719)	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(55.9467, 0.2280, 0.2719)

Conversions

Conversions Part 1

Format	Color
Hex	6BD1FF
RGB	107, 209, 255
RGB Percent	42%, 82%, 100%
CMY	0.5802, 0.1804, 0.0001
CMYK	0.58, 0.18, 0.00, 0.00
HSL	199°, 100%, 71%
HSV	199°, 58%, 100%
XYZ	46.9137, 55.9467, 102.9016
YIQ	183.7460, -75.5580, -7.3180

Conversions

Conversions Part 2

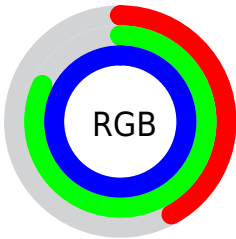
Format	Color
R _Y B	107, 167, 255
Decimal	7066111
CIE Lab	79.58, -16.85, -31.47
CIE LCh	80, 35.698, 241.831
Yxy	55.9467, 0.2280, 0.2719
Android (android.graphics.Color)	4285256191 (0xFF6BD1FF)
YUV	183.7460, 35.1282, -67.3062
Hunter-Lab	74.7975, -18.9387, -29.2091

Details

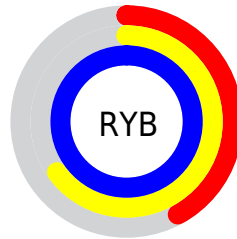
The Yxy color **55.9467, 0.2280, 0.2719** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.1059, 0.4603, 0.3756**, and the grayscale version is **47.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **27.8112, 0.2083, 0.2577** is the 20% darker color. If you saturate the color by 10%, you get **50.8017, 0.2170, 0.2601**, and if you desaturate by 10%, it is **61.7550, 0.2406, 0.2834**.

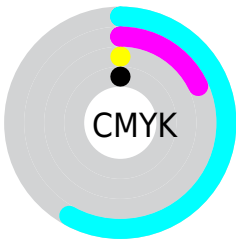
Distribution



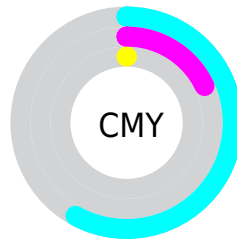
- Red (42%)
- Green (82%)
- Blue (100%)



- Red (42%)
- Yellow (65%)
- Blue (100%)



- Cyan (58%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9467, 0.2280, 0.2719 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 55.9467, 0.2280, 0.2719 by changing the saturation by 10% instead.

■ 55.9467, 0.2280,
0.2719

■ 55.9467, 0.2280,
0.2719

■ 409.4906, 0.2674,
0.2999

■ 40.1602, 0.2191,
0.2652

■ 98.9266, 0.2416,
0.2819

■ 27.6635, 0.2081,
0.2568

■ 126.8889, 0.2470,
0.2857

■ 18.0721, 0.1945,
0.2460

■ 159.6785, 0.2515,
0.2889

■ 11.0018, 0.1769,
0.2317

■ 197.6798, 0.2555,
0.2917

■ 6.0680, 0.1540,
0.2120

■ 241.2773, 0.2590,
0.2942

■ 2.8865, 0.1232,
0.1838

■ 290.8553, 0.2622,

■ 1.0728, 0.0791,

0.2963

0.1422

346.7983, 0.2649,
0.2982

0.0000, 0.0000,
0.0000

55.9467, 0.2280,
0.2719

55.9467, 0.2280,
0.2719

50.8017, 0.2170,
0.2601

61.7550, 0.2406,
0.2834

46.2687, 0.2079,
0.2481

68.2603, 0.2545,
0.2943

42.2972, 0.2009,
0.2361

75.5007, 0.2694,
0.3046

38.8166, 0.1959,
0.2244

83.5094, 0.2847,
0.3140

38.1628, 0.1950,
0.2221

92.3171, 0.3003,
0.3227

99.9976, 0.3127,
0.3290

Harmonies

Analogous

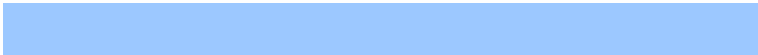
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9467, 0.2317, 0.3066



55.9467, 0.2280, 0.2719



55.9467, 0.2446, 0.2552

Triad

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



55.9467, 0.2280, 0.2719



55.9467, 0.3711, 0.3043



55.9467, 0.3417, 0.4136

Complementary

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



55.9467, 0.2280, 0.2719



45.1059, 0.4603, 0.3756

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.



55.9467, 0.3822, 0.4055



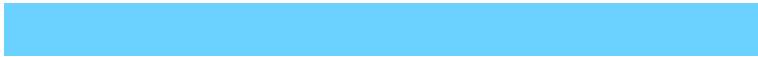
55.9467, 0.2280, 0.2719



55.9467, 0.4010, 0.3410

Square

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



55.9467, 0.2280, 0.2719



55.9467, 0.3253, 0.2745



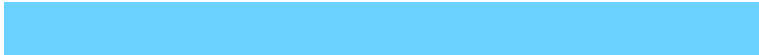
55.9467, 0.4047, 0.3776



55.9467, 0.2952, 0.3942

Rectangle

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



55.9467, 0.2280, 0.2719



55.9467, 0.2659, 0.2543



55.9467, 0.4047, 0.3776



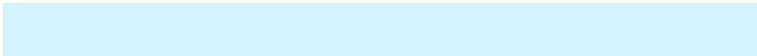
55.9467, 0.3565, 0.4138

Sweetspot

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



55.9487, 0.2280, 0.2719



84.3891, 0.2863, 0.3149



76.8744, 0.2856, 0.4628



17.7012, 0.2832, 0.3131



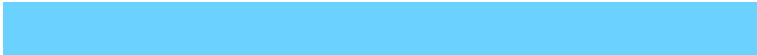
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.9487, 0.2280, 0.2719



49.8680, 0.2150, 0.2577



28.1369, 0.2071, 0.1765



19.4730, 0.2980, 0.3214



20.2256, 0.1956, 0.2240



2.1642, 0.1993, 0.2374

Inverse Universe

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



36.3847, 0.3655, 0.2293



30.6462, 0.3811, 0.2154



76.3734, 0.4118, 0.4435



18.1986, 0.3186, 0.3128



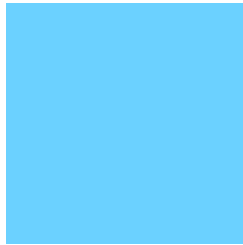
12.7698, 0.4190, 0.2082



1.2630, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 55.9467, 0.2280, 0.2719 looks on a white background.

Color Contrast Check

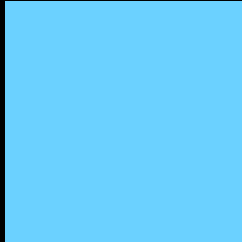
Large Text (above 18pt) WCAG AA × Fail

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 55.9467, 0.2280, 0.2719 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

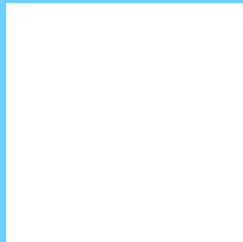
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.9467, 0.2280, 0.2719

Background



This preview shows how black text looks on a background with the Yxy color 55.9467, 0.2280, 0.2719.



This preview shows how white text looks on a background with the Yxy color 55.9467, 0.2280, 0.2719.

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

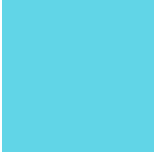
55.9467, 0.2280, 0.2719

Protanopia

55.3056, 0.2715, 0.2711

Deuteranopia

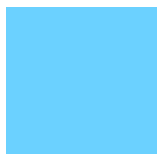
55.3050, 0.2636, 0.2584



Tritanopia

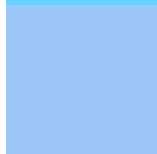
55.8994, 0.2356, 0.3052

Trichromacy



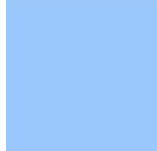
Original Color

55.9467, 0.2280, 0.2719



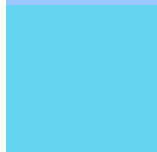
Protanomaly

54.6921, 0.2523, 0.2702



Deuteranomaly

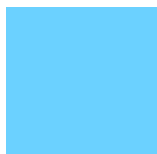
55.0354, 0.2481, 0.2627



Tritanomaly

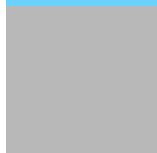
56.1449, 0.2328, 0.2929

Monochromacy



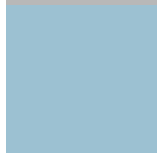
Original Color

55.9467, 0.2280, 0.2719



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

49.8610, 0.2733, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9467, 0.2280, 0.2719 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(107, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 209, 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(107, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.9467, 0.2280, 0.2719 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(107, 209, 255) }
```

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

```
.border{ border-color:rgb(107, 209, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 209, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9467, 0.2280, 0.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 209, 255) }
```

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

```
.background{ background-color: rgb(107,  
209, 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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