

Converting Colors

$Y_{xy}(59.3564, 0.2547, 0.2716)$

Have a look what the booklet for
Yxy(59.3564, 0.2547, 0.2716)
contains.

Yxy(59.3619, 0.2551, 0.2721)	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(59.3619, 0.2551, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	A5CEFF
RGB	165, 206, 255
RGB Percent	65%, 81%, 100%
CMY	0.3526, 0.1922, 0.0000
CMYK	0.35, 0.19, 0.00, 0.00
HSL	213°, 100%, 82%
HSV	213°, 35%, 100%
XYZ	55.6531, 59.3619, 103.1470
YIQ	199.3270, -40.1650, 6.5470

Conversions

Conversions Part 2

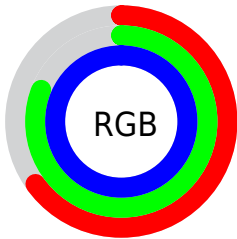
Format	Color
R _Y B	165, 193, 255
Decimal	10866431
CIE Lab	81.49, -1.92, -28.34
CIE LCh	81, 28.403, 266.130
Yxy	59.3619, 0.2551, 0.2721
Android (android.graphics.Color)	4289056511 (0xFFA5CEFF)
YUV	199.3270, 27.4468, -30.1048
Hunter-Lab	77.0467, -5.8957, -25.4424

Details

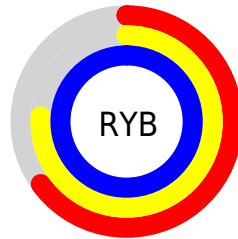
The Yxy color **59.3619, 0.2551, 0.2721** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.1247, 0.3795, 0.3796**, and the grayscale version is **57.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **29.8487, 0.2413, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **50.4947, 0.2383, 0.2525**, and if you desaturate by 10%, it is **69.3685, 0.2720, 0.2903**.

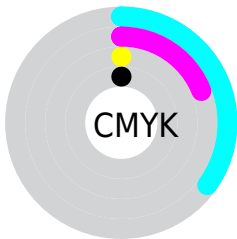
Distribution



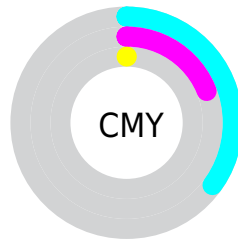
- Red (65%)
- Green (81%)
- Blue (100%)



- Red (65%)
- Yellow (76%)
- Blue (100%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3619, 0.2551, 0.2721 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 59.3619, 0.2551, 0.2721 by changing the saturation by 10% instead.

■ 59.3619, 0.2551,
0.2721

■ 59.3619, 0.2551,
0.2721

422.2417, 0.2822,
0.2990

■ 42.9045, 0.2489,
0.2659

■ 103.9035, 0.2645,
0.2815

■ 29.8102, 0.2412,
0.2582

■ 132.7564, 0.2682,
0.2851

■ 19.6946, 0.2315,
0.2484

166.5101, 0.2713,
0.2883

■ 12.1732, 0.2188,
0.2356

205.5487, 0.2741,
0.2910

■ 6.8618, 0.2018,
0.2184

250.2568, 0.2765,
0.2933

■ 3.3758, 0.1778,
0.1939

301.0188, 0.2786,

■ 1.3309, 0.1426,

0.2954

0.1575

358.2189, 0.2805,
0.2973

0.1650, 0.0367,
0.0550

0.0000, 0.0000,
0.0000

59.3619, 0.2551,
0.2721

59.3619, 0.2551,
0.2721

50.4947, 0.2383,
0.2525

69.3685, 0.2720,
0.2903

42.7158, 0.2221,
0.2317

80.5557, 0.2886,
0.3069

35.9744, 0.2072,
0.2102

92.9665, 0.3046,
0.3218

30.2131, 0.1941,
0.1887

100.0000, 0.3127,
0.3290

■ 25.3671, 0.1833,
0.1679

■ 21.3595, 0.1752,
0.1483

■ 19.7078, 0.1721,
0.1396

Harmonies

Analogous

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



59.3619, 0.2447, 0.2889



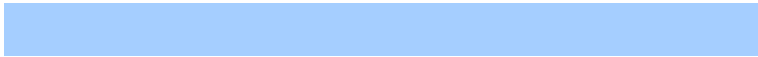
59.3619, 0.2551, 0.2721



59.3619, 0.2804, 0.2702

Triad

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



59.3619, 0.2551, 0.2721



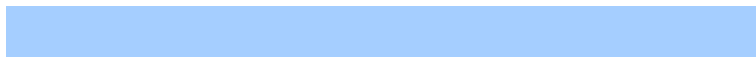
59.3619, 0.3784, 0.3336



59.3619, 0.3064, 0.3834

Complementary

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



59.3619, 0.2551, 0.2721



72.1247, 0.3795, 0.3796

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.



59.3619, 0.3427, 0.3948



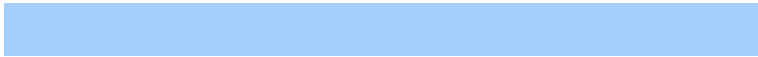
59.3619, 0.2551, 0.2721



59.3619, 0.3856, 0.3631

Square

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



59.3619, 0.2551, 0.2721



59.3619, 0.3522, 0.3046



59.3619, 0.3721, 0.3862



59.3619, 0.2731, 0.3543

Rectangle

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



59.3619, 0.2551, 0.2721



59.3619, 0.3033, 0.2767



59.3619, 0.3721, 0.3862



59.3619, 0.3187, 0.3895

Sweetspot

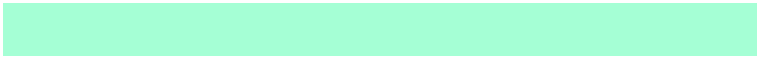
The Sweet Spot groups the original color and five complimentary colors.



59.3630, 0.2551, 0.2721



85.6915, 0.2955, 0.3135



84.3346, 0.2832, 0.3772



17.9865, 0.2933, 0.3114



0.0000, 0.0000, 0.0000



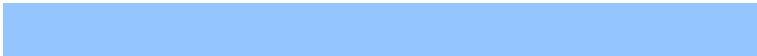
21.4041, 0.3127, 0.3290

Same Dimension

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



59.3630, 0.2551, 0.2721



53.2642, 0.2438, 0.2590



42.4950, 0.2504, 0.2231



18.7388, 0.2979, 0.3157



10.5874, 0.1730, 0.1426



1.2459, 0.1790, 0.1642

Inverse Universe

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



52.6565, 0.3587, 0.2868



46.4220, 0.3713, 0.2787



94.9357, 0.3639, 0.4178



18.1245, 0.3222, 0.3182



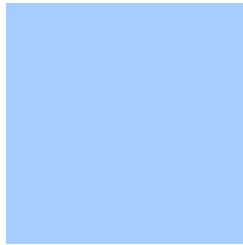
11.7968, 0.5156, 0.2614



1.1703, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 59.3619, 0.2551, 0.2721 looks on a white background.

Color Contrast Check

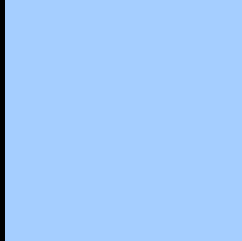
Large Text (above 18pt) WCAG AA × Fail

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 59.3619, 0.2551, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

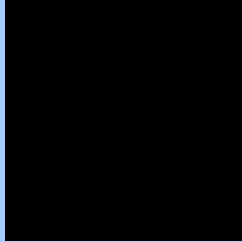
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

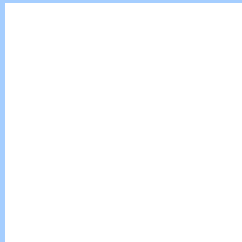
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.3619, 0.2551, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 59.3619, 0.2551, 0.2721.



This preview shows how white text looks on a background with the Yxy color 59.3619, 0.2551, 0.2721.

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

59.3619, 0.2551, 0.2721

Protanopia

59.2207, 0.2719, 0.2715

Deuteranopia

58.9456, 0.2713, 0.2655



Tritanopia

59.5609, 0.2669, 0.3081

Trichromacy



Original Color

59.3619, 0.2551, 0.2721

Protanomaly

59.0931, 0.2658, 0.2719

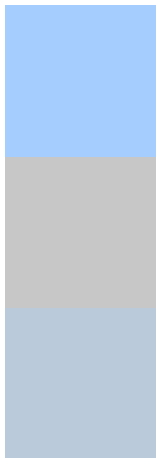
Deuteranomaly

59.0606, 0.2652, 0.2679

Tritanomaly

59.3510, 0.2622, 0.2941

Monochromacy



Original Color

59.3619, 0.2551, 0.2721

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

57.9203, 0.2899, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3619, 0.2551, 0.2721 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(165, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.3619, 0.2551, 0.2721 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(165, 206, 255) }
```

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

```
.border{ border-color:rgb(165, 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(165, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3619, 0.2551, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 206, 255) }
```

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

```
.background{ background-color: rgb(165,  
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](#).

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