

Converting Colors

$Y_{xy}(58.4911, 0.2505, 0.2714)$

Have a look what the booklet for
Yxy(58.4911, 0.2505, 0.2714)
contains.

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Color

Yxy(58.5307, 0.2506, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	9DCEFF
RGB	157, 206, 255
RGB Percent	62%, 81%, 100%
CMY	0.3842, 0.1921, 0.0001
CMYK	0.38, 0.19, 0.00, 0.00
HSL	210°, 100%, 81%
HSV	210°, 38%, 100%
XYZ	54.0250, 58.5307, 103.0270
YIQ	196.9350, -44.9330, 4.8510

Conversions

Conversions Part 2

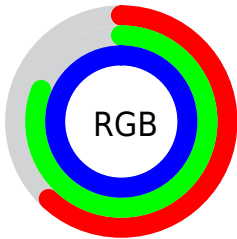
Format	Color
R _Y B	157, 190, 255
Decimal	10342143
CIE Lab	81.03, -4.07, -29.05
CIE LCh	81, 29.333, 262.033
Yxy	58.5307, 0.2506, 0.2715
Android (android.graphics.Color)	4288532223 (0xFF9DCEFF)
YUV	196.9350, 28.6260, -35.0230
Hunter-Lab	76.5054, -7.8348, -26.2899

Details

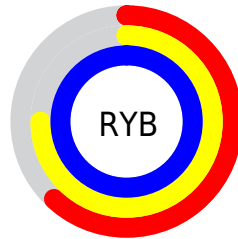
The Yxy color **58.5307, 0.2506, 0.2715** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.8275, 0.3886, 0.3799**, and the grayscale version is **55.6419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **29.3004, 0.2355, 0.2576** is the 20% darker color. If you saturate the color by 10%, you get **50.3391, 0.2345, 0.2532**, and if you desaturate by 10%, it is **67.7597, 0.2671, 0.2885**.

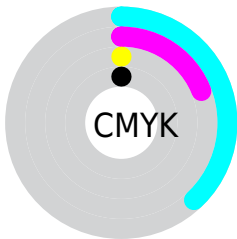
Distribution



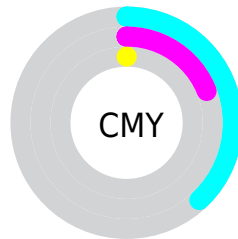
- Red (62%)
- Green (81%)
- Blue (100%)



- Red (62%)
- Yellow (75%)
- Blue (100%)



- Cyan (38%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5307, 0.2506, 0.2715 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 58.5307, 0.2506, 0.2715 by changing the saturation by 10% instead.

 58.5307, 0.2506,
0.2715


 58.5307, 0.2506,
0.2715


419.1605, 0.2797,
0.2988

 42.2354, 0.2439,
0.2652


 102.6953, 0.2607,
0.2811

 29.2857, 0.2357,
0.2573

 131.3334, 0.2647,
0.2848

 19.2971, 0.2252,
0.2473


164.8546, 0.2681,
0.2879

 11.8851, 0.2117,
0.2341

203.6433, 0.2710,
0.2907

 6.6655, 0.1935,
0.2163

248.0838, 0.2736,
0.2931

 3.2538, 0.1681,
0.1911

298.5606, 0.2759,

 1.2656, 0.1312,

0.2952

0.1536

355.4580, 0.2779,
0.2971

0.1144, 0.0033,
0.0403

0.0000, 0.0000,
0.0000

58.5307, 0.2506,
0.2715

58.5307, 0.2506,
0.2715

50.3391, 0.2345,
0.2532

67.7597, 0.2671,
0.2885

43.1327, 0.2193,
0.2340

78.0613, 0.2836,
0.3042

36.8645, 0.2055,
0.2143

89.4770, 0.2997,
0.3183

31.4791, 0.1937,
0.1945

99.9977, 0.3127,
0.3290

■ 26.9131, 0.1843,
0.1754

■ 23.0823, 0.1773,
0.1573

■ 22.5250, 0.1763,
0.1545

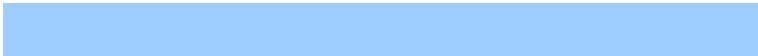
Harmonies

Analogous

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



58.5307, 0.2422, 0.2908



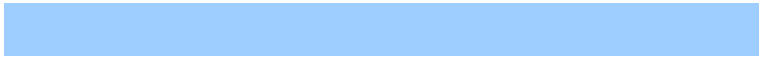
58.5307, 0.2506, 0.2715



58.5307, 0.2749, 0.2675

Triad

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



58.5307, 0.2506, 0.2715



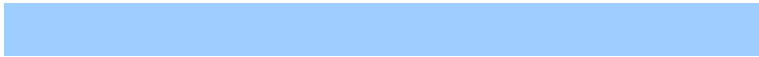
58.5307, 0.3782, 0.3294



58.5307, 0.3113, 0.3884

Complementary

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



58.5307, 0.2506, 0.2715



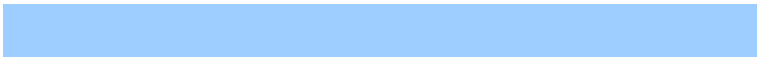
67.8275, 0.3886, 0.3799

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.



58.5307, 0.3486, 0.3973



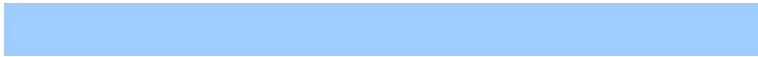
58.5307, 0.2506, 0.2715



58.5307, 0.3887, 0.3603

Square

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



58.5307, 0.2506, 0.2715



58.5307, 0.3488, 0.3001



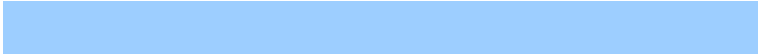
58.5307, 0.3774, 0.3857



58.5307, 0.2758, 0.3601

Rectangle

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



58.5307, 0.2506, 0.2715



58.5307, 0.2978, 0.2730



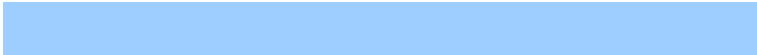
58.5307, 0.3774, 0.3857



58.5307, 0.3240, 0.3938

Sweetspot

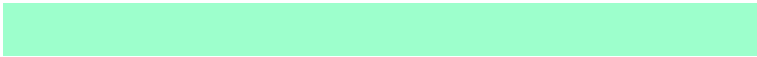
The Sweet Spot groups the original color and five complimentary colors.



58.5329, 0.2506, 0.2715



85.2760, 0.2939, 0.3134



83.0458, 0.2834, 0.3884



17.9309, 0.2918, 0.3116



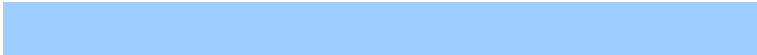
0.0000, 0.0000, 0.0000



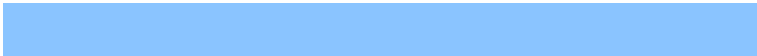
21.4041, 0.3127, 0.3290

Same Dimension

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



58.5329, 0.2506, 0.2715



52.2386, 0.2383, 0.2577



39.0694, 0.2419, 0.2133



18.8786, 0.2979, 0.3168



12.0720, 0.1771, 0.1574



1.3938, 0.1828, 0.1780

Inverse Universe

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



49.8340, 0.3602, 0.2786



43.3528, 0.3738, 0.2688



94.1493, 0.3711, 0.4233



18.1386, 0.3215, 0.3172



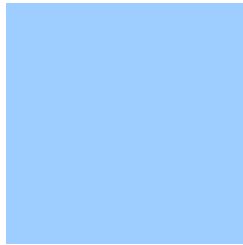
11.9466, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 58.5307, 0.2506, 0.2715 looks on a white background.

Color Contrast Check

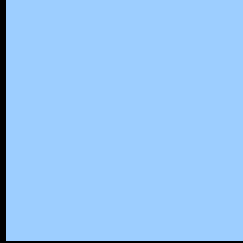
Large Text (above 18pt) WCAG AA × Fail

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 58.5307, 0.2506, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

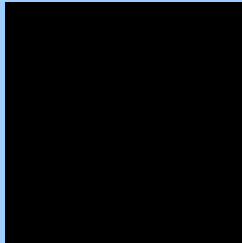
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

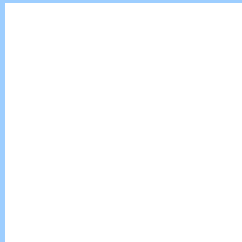
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.5307, 0.2506, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 58.5307, 0.2506, 0.2715.

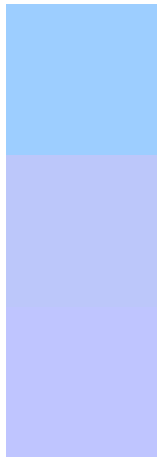


This preview shows how white text looks on a background with the Yxy color 58.5307, 0.2506, 0.2715.

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

58.5307, 0.2506, 0.2715

Protanopia

58.4403, 0.2711, 0.2712

Deuteranopia

58.2289, 0.2699, 0.2641



Tritanopia

58.6740, 0.2616, 0.3078

Trichromacy



Original Color

58.5307, 0.2506, 0.2715

Protanomaly

58.6164, 0.2632, 0.2716

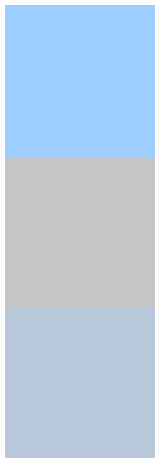
Deuteranomaly

58.1123, 0.2626, 0.2663

Tritanomaly

58.5463, 0.2576, 0.2936

Monochromacy



Original Color

58.5307, 0.2506, 0.2715

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.3156, 0.2869, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5307, 0.2506, 0.2715 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(157, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.5307, 0.2506, 0.2715 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(157, 206, 255) }
```

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

```
.border{ border-color:rgb(157, 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(157, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 206, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 206, 255); box-shadow:4px 4px 4px 4px rgb(157, 206, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5307, 0.2506, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 206, 255) }
```

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

```
.background{ background-color: rgb(157,  
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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