

Converting Colors

$Yxy(62.0687, 0.2279, 0.2249)$

Have a look what the booklet for
Yxy(62.0687, 0.2279, 0.2249)
contains.

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Color

Yxy(58.4305, 0.2500, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	9CCEFF
RGB	156, 206, 255
RGB Percent	61%, 81%, 100%
CMY	0.3884, 0.1921, 0.0000
CMYK	0.39, 0.19, 0.00, 0.00
HSL	210°, 100%, 81%
HSV	210°, 39%, 100%
XYZ	53.8232, 58.4305, 103.0392
YIQ	196.6360, -45.5290, 4.6390

Conversions

Conversions Part 2

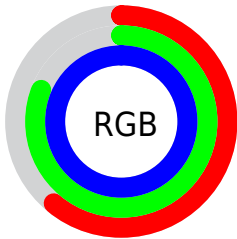
Format	Color
R_{YB}	156, 189, 255
Decimal	10276607
CIE _{Lab}	80.98, -4.34, -29.15
CIE _{LCh}	81, 29.475, 261.526
Y _{xy}	58.4305, 0.2500, 0.2714
Android (android.graphics.Color)	4288466687 (0xFF9CCEFF)
YUV	196.6360, 28.7735, -35.6378
Hunter-Lab	76.4398, -8.0834, -26.4137

Details

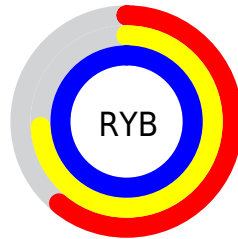
The Yxy color **58.4305, 0.2500, 0.2714** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.2866, 0.3898, 0.3799**, and the grayscale version is **55.4441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **29.2430, 0.2349, 0.2575** is the 20% darker color. If you saturate the color by 10%, you get **50.3207, 0.2340, 0.2533**, and if you desaturate by 10%, it is **67.5658, 0.2664, 0.2883**.

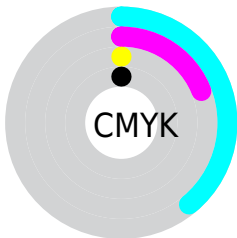
Distribution



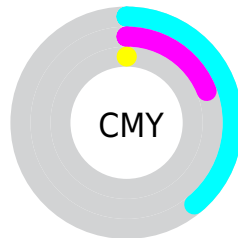
- Red (61%)
- Green (81%)
- Blue (100%)



- Red (61%)
- Yellow (74%)
- Blue (100%)



- Cyan (39%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4305, 0.2500, 0.2714 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 58.4305, 0.2500, 0.2714 by changing the saturation by 10% instead.

■ 58.4305, 0.2500,
0.2714

■ 58.4305, 0.2500,
0.2714

418.7882, 0.2794,
0.2988

■ 42.1548, 0.2433,
0.2650

■ 102.5495, 0.2602,
0.2810

■ 29.2226, 0.2349,
0.2571

■ 131.1616, 0.2642,
0.2847

■ 19.2492, 0.2244,
0.2471

164.6547, 0.2676,
0.2879

■ 11.8505, 0.2107,
0.2339

203.4131, 0.2706,
0.2906

■ 6.6420, 0.1924,
0.2160

247.8213, 0.2732,
0.2931

■ 3.2392, 0.1668,
0.1907

298.2636, 0.2755,

■ 1.2579, 0.1297,

0.2952

0.1530

355.1244, 0.2776,
0.2971

■ 0.1082, 0.0000,
0.0383

■ 0.0000, 0.0000,
0.0000

■ 58.4305, 0.2500,
0.2714

■ 58.4305, 0.2500,
0.2714

■ 50.3207, 0.2340,
0.2533

■ 67.5658, 0.2664,
0.2883

■ 43.1845, 0.2189,
0.2343

■ 77.7616, 0.2829,
0.3038

■ 36.9750, 0.2053,
0.2147

■ 89.0591, 0.2990,
0.3178

■ 31.6371, 0.1936,
0.1952

■ 99.9993, 0.3127,
0.3290

■ 27.1072, 0.1844,
0.1762

■ 23.2984, 0.1775,
0.1583

■ 22.8909, 0.1768,
0.1563

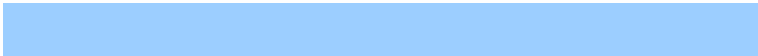
Harmonies

Analogous

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



58.4305, 0.2418, 0.2911



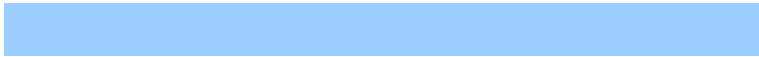
58.4305, 0.2500, 0.2714



58.4305, 0.2741, 0.2671

Triad

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



58.4305, 0.2500, 0.2714



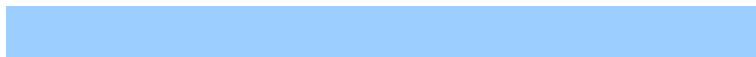
58.4305, 0.3782, 0.3288



58.4305, 0.3119, 0.3891

Complementary

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



58.4305, 0.2500, 0.2714



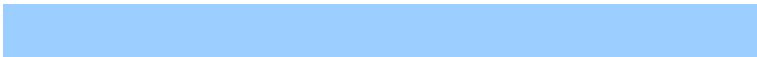
67.2866, 0.3898, 0.3799

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.



58.4305, 0.3494, 0.3976



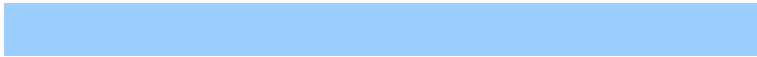
58.4305, 0.2500, 0.2714



58.4305, 0.3891, 0.3599

Square

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



58.4305, 0.2500, 0.2714



58.4305, 0.3484, 0.2995



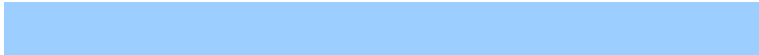
58.4305, 0.3781, 0.3856



58.4305, 0.2761, 0.3608

Rectangle

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



58.4305, 0.2500, 0.2714



58.4305, 0.2971, 0.2725



58.4305, 0.3781, 0.3856



58.4305, 0.3247, 0.3944

Sweetspot

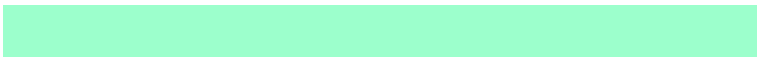
The Sweet Spot groups the original color and five complimentary colors.



58.4327, 0.2500, 0.2714



85.3734, 0.2939, 0.3136



82.9280, 0.2831, 0.3891



17.9538, 0.2919, 0.3117



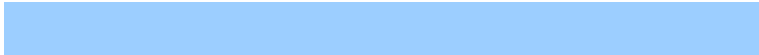
0.0000, 0.0000, 0.0000



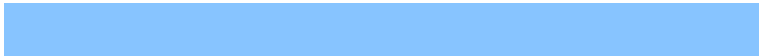
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4327, 0.2500, 0.2714



51.7419, 0.2369, 0.2567



38.6029, 0.2409, 0.2118



18.8954, 0.2979, 0.3169



12.2614, 0.1776, 0.1592



1.4124, 0.1832, 0.1796

Inverse Universe

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



49.4774, 0.3604, 0.2775



42.6031, 0.3751, 0.2669



94.1215, 0.3717, 0.4243



18.1403, 0.3215, 0.3170



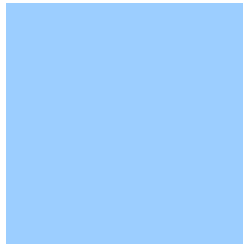
11.9658, 0.4941, 0.2496



1.1871, 0.4690, 0.2357

Previews

White Background



This preview shows how the Yxy color 58.4305, 0.2500, 0.2714 looks on a white background.

Color Contrast Check

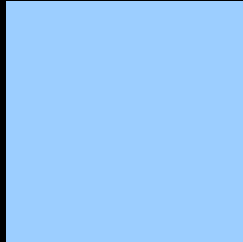
Large Text (above 18pt) WCAG AA × Fail

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 58.4305, 0.2500, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

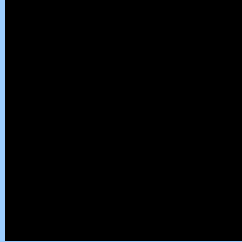
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

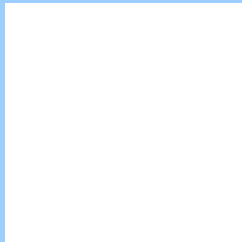
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4305, 0.2500, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 58.4305, 0.2500, 0.2714.



This preview shows how white text looks on a background with the Yxy color 58.4305, 0.2500, 0.2714.

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

58.4305, 0.2500, 0.2714

Protanopia

57.9817, 0.2710, 0.2700

Deuteranopia

58.0997, 0.2693, 0.2640



Tritanopia

58.5795, 0.2610, 0.3077

Trichromacy



Original Color

58.4305, 0.2500, 0.2714

Protanomaly

58.0317, 0.2625, 0.2703

Deuteranomaly

57.9935, 0.2619, 0.2662

Tritanomaly

58.4494, 0.2571, 0.2936

Monochromacy



Original Color

58.4305, 0.2500, 0.2714

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 58.4305, 0.2500, 0.2714 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(156, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.4305, 0.2500, 0.2714 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(156, 206, 255) }
```

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

```
.border{ border-color:rgb(156, 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(156, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4305, 0.2500, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 206, 255) }
```

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

```
.background{ background-color: rgb(156,  
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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