

Converting Colors

$Y_{xy}(58.1878, 0.2510, 0.2704)$

Have a look what the booklet for
Yxy(58.1878, 0.2510, 0.2704)
contains.

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Color

Yxy(58.1517, 0.2509, 0.2703)

Conversions

Conversions Part 1

Format	Color
Hex	9ECDFF
RGB	158, 205, 255
RGB Percent	62%, 80%, 100%
CMY	0.3806, 0.1960, 0.0000
CMYK	0.38, 0.20, 0.00, 0.00
HSL	211°, 100%, 81%
HSV	211°, 38%, 100%
XYZ	53.9780, 58.1517, 103.0079
YIQ	196.6470, -44.0620, 5.5860

Conversions

Conversions Part 2

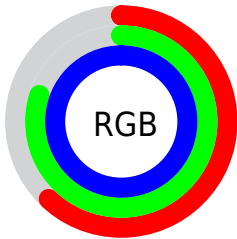
Format	Color
RYB	158, 190, 255
Decimal	10407423
CIELab	80.82, -3.28, -29.40
CIElCh	81, 29.582, 263.632
Yxy	58.1517, 0.2509, 0.2703
Android (android.graphics.Color)	4288597503 (0xFF9ECDFF)
YUV	196.6470, 28.7680, -33.8934
Hunter-Lab	76.2573, -7.1006, -26.7085

Details

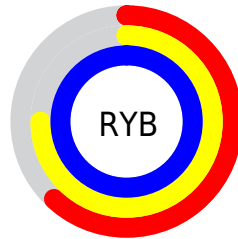
The Yxy color **58.1517, 0.2509, 0.2703** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.8126, 0.3871, 0.3808**, and the grayscale version is **55.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **29.0940, 0.2364, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **49.8067, 0.2346, 0.2515**, and if you desaturate by 10%, it is **67.5619, 0.2676, 0.2879**.

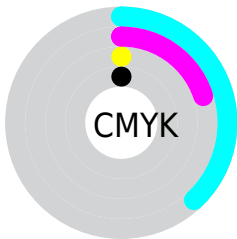
Distribution



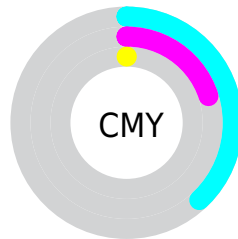
- Red (62%)
- Green (80%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1517, 0.2509, 0.2703 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 58.1517, 0.2509, 0.2703 by changing the saturation by 10% instead.

■ 58.1517, 0.2509,
0.2703

■ 58.1517, 0.2509,
0.2703

■ 417.7510, 0.2799,
0.2982

■ 41.9306, 0.2442,
0.2638

■ 102.1437, 0.2610,
0.2801

■ 29.0470, 0.2360,
0.2558

■ 130.6835, 0.2649,
0.2838

■ 19.1164, 0.2256,
0.2456

■ 164.0982, 0.2683,
0.2871

■ 11.7544, 0.2120,
0.2323

■ 202.7724, 0.2713,
0.2899

■ 6.5767, 0.1938,
0.2142

■ 247.0904, 0.2738,
0.2923

■ 3.1988, 0.1684,
0.1886

■ 297.4365, 0.2761,

■ 1.2364, 0.1314,

0.2945

0.1507

354.1952, 0.2781,
0.2964

0.0911, 0.0023,
0.0324

0.0000, 0.0000,
0.0000

58.1517, 0.2509,
0.2703

58.1517, 0.2509,
0.2703

49.8067, 0.2346,
0.2515

67.5619, 0.2676,
0.2879

42.4787, 0.2191,
0.2317

78.0786, 0.2841,
0.3039

36.1180, 0.2051,
0.2113

89.7427, 0.3002,
0.3184

30.6680, 0.1930,
0.1910

100.0000, 0.3127,
0.3290

■ 26.0644, 0.1833,
0.1713

■ 22.2239, 0.1761,
0.1529

■ 21.5459, 0.1749,
0.1494

Harmonies

Analogous

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



58.1517, 0.2415, 0.2890



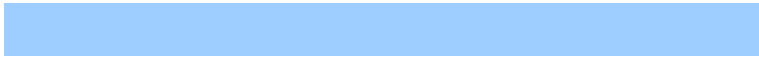
58.1517, 0.2509, 0.2703



58.1517, 0.2761, 0.2671

Triad

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



58.1517, 0.2509, 0.2703



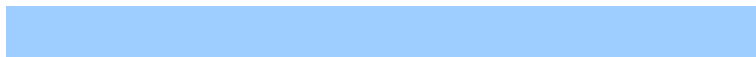
58.1517, 0.3800, 0.3310



58.1517, 0.3092, 0.3880

Complementary

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



58.1517, 0.2509, 0.2703



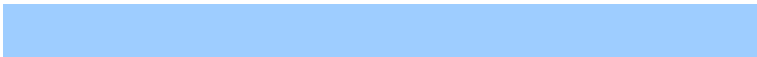
68.8126, 0.3871, 0.3808

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.



58.1517, 0.3471, 0.3981



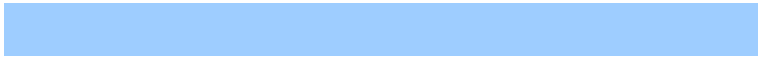
58.1517, 0.2509, 0.2703



58.1517, 0.3894, 0.3621

Square

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



58.1517, 0.2509, 0.2703



58.1517, 0.3511, 0.3012



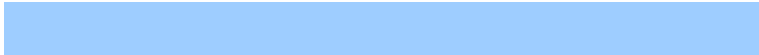
58.1517, 0.3769, 0.3873



58.1517, 0.2737, 0.3585

Rectangle

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



58.1517, 0.2509, 0.2703



58.1517, 0.2996, 0.2732



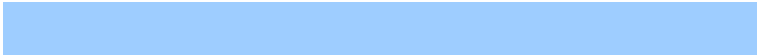
58.1517, 0.3769, 0.3873



58.1517, 0.3221, 0.3939

Sweetspot

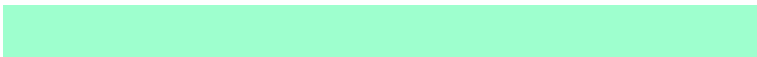
The Sweet Spot groups the original color and five complimentary colors.



58.1523, 0.2509, 0.2703



86.1877, 0.2955, 0.3143



83.2642, 0.2828, 0.3857



18.1046, 0.2934, 0.3124



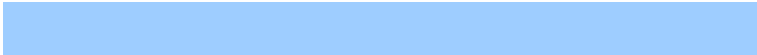
0.0000, 0.0000, 0.0000



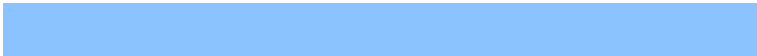
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1523, 0.2509, 0.2703



51.4381, 0.2379, 0.2555



38.9236, 0.2423, 0.2126



18.8315, 0.2979, 0.3164



11.5544, 0.1757, 0.1524



1.3426, 0.1815, 0.1733

Inverse Universe

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



50.1071, 0.3610, 0.2805



43.2720, 0.3757, 0.2706



95.2471, 0.3701, 0.4238



18.1339, 0.3218, 0.3175



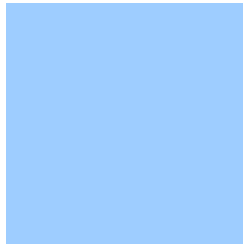
11.8944, 0.5029, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 58.1517, 0.2509, 0.2703 looks on a white background.

Color Contrast Check

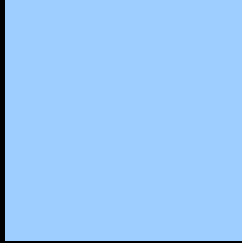
Large Text (above 18pt) WCAG AA × Fail

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 58.1517, 0.2509, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

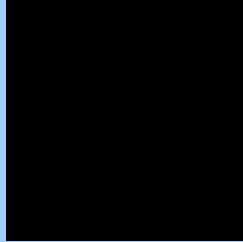
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

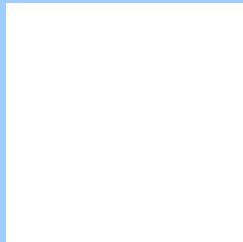
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.1517, 0.2509, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 58.1517, 0.2509, 0.2703.



This preview shows how white text looks on a background with the Yxy color 58.1517, 0.2509, 0.2703.

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

58.1517, 0.2509, 0.2703

Protanopia

57.8551, 0.2703, 0.2699

Deuteranopia

58.0997, 0.2693, 0.2640



Tritanopia

58.2185, 0.2626, 0.3077

Trichromacy



Original Color

58.1517, 0.2509, 0.2703

Protanomaly

58.0317, 0.2625, 0.2703

Deuteranomaly

57.9935, 0.2619, 0.2662

Tritanomaly

58.0962, 0.2586, 0.2936

Monochromacy



Original Color

58.1517, 0.2509, 0.2703

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.4378, 0.2876, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1517, 0.2509, 0.2703 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(158, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 205, 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(158, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.1517, 0.2509, 0.2703 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(158, 205, 255) }
```

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

```
.border{ border-color:rgb(158, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1517, 0.2509, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 205, 255) }
```

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

```
.background{ background-color: rgb(158,  
205, 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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