

Converting Colors

$Y_{xy}(65.3981, 0.2252, 0.2317)$

Have a look what the booklet for
Yxy(65.3981, 0.2252, 0.2317)
contains.

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Color

Yxy(61.5162, 0.2469, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	93D6FF
RGB	147, 214, 255
RGB Percent	58%, 84%, 100%
CMY	0.4231, 0.1609, 0.0000
CMYK	0.42, 0.16, 0.00, 0.00
HSL	203°, 100%, 79%
HSV	203°, 42%, 100%
XYZ	54.1474, 61.5162, 103.6455
YIQ	198.6410, -53.0930, -1.4530

Conversions

Conversions Part 2

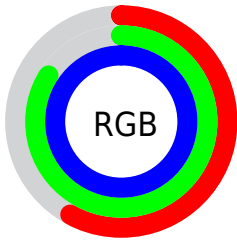
Format	Color
R_{YB}	147, 188, 255
Decimal	9688831
CIE _{Lab}	82.66, -10.75, -26.64
CIE _{LCh}	83, 28.730, 248.034
Yxy	61.5162, 0.2469, 0.2805
Android (android.graphics.Color)	4287878911 (0xFF93D6FF)
YUV	198.6410, 27.7850, -45.2892
Hunter-Lab	78.4323, -14.0251, -23.4471

Details

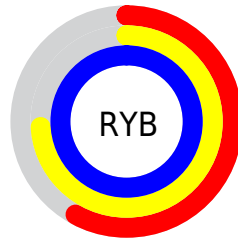
The Yxy color **61.5162, 0.2469, 0.2805** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3973, 0.4042, 0.3721**, and the grayscale version is **56.7492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **31.0472, 0.2314, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **54.6506, 0.2326, 0.2666**, and if you desaturate by 10%, it is **69.1984, 0.2621, 0.2936**.

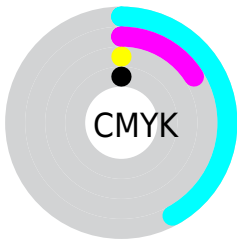
Distribution



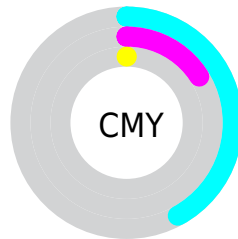
- Red (58%)
- Green (84%)
- Blue (100%)



- Red (58%)
- Yellow (74%)
- Blue (100%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5162, 0.2469, 0.2805 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 61.5162, 0.2469, 0.2805 by changing the saturation by 10% instead.


 61.5162, 0.2469,
0.2805

 61.5162, 0.2469,
0.2805


430.1642, 0.2774,
0.3037

 44.6419, 0.2400,
0.2750


 107.0260, 0.2575,
0.2887

 31.1755, 0.2315,
0.2682


 136.4303, 0.2616,
0.2918

 20.7325, 0.2208,
0.2596

170.7800, 0.2651,
0.2945

 12.9286, 0.2070,
0.2481

210.4596, 0.2682,
0.2969

 7.3794, 0.1887,
0.2324

255.8534, 0.2709,
0.2989

 3.7005, 0.1633,
0.2099

307.3458, 0.2733,

 1.5075, 0.1270,

0.3007

0.1756

365.3213, 0.2755,
0.3023

0.2940, 0.0055,
0.0955

0.0000, 0.0000,
0.0000

61.5162, 0.2469,
0.2805

61.5162, 0.2469,
0.2805

54.6506, 0.2326,
0.2666

69.1984, 0.2621,
0.2936

48.5589, 0.2197,
0.2521

77.7310, 0.2778,
0.3057

43.1977, 0.2084,
0.2372

87.1489, 0.2935,
0.3168

38.5165, 0.1992,
0.2223

97.4840, 0.3092,
0.3268

■ 34.4553, 0.1921,
0.2077

100.0000, 0.3127,
0.3290

■ 31.6866, 0.1880,
0.1967

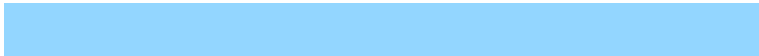
Harmonies

Analogous

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



61.5162, 0.2465, 0.3056



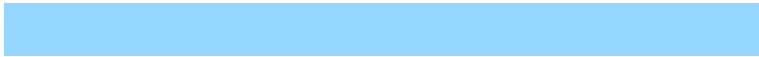
61.5162, 0.2469, 0.2805



61.5162, 0.2636, 0.2696

Triad

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



61.5162, 0.2469, 0.2805



61.5162, 0.3644, 0.3157



61.5162, 0.3286, 0.3927

Complementary

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



61.5162, 0.2469, 0.2805



59.3973, 0.4042, 0.3721

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.



61.5162, 0.3619, 0.3918



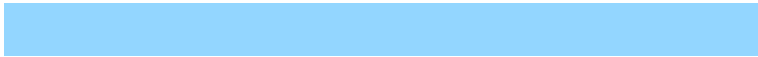
61.5162, 0.2469, 0.2805



61.5162, 0.3838, 0.3456

Square

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



61.5162, 0.2469, 0.2805



61.5162, 0.3307, 0.2899



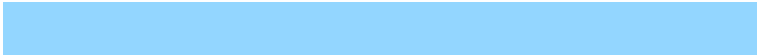
61.5162, 0.3826, 0.3735



61.5162, 0.2923, 0.3734

Rectangle

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



61.5162, 0.2469, 0.2805



61.5162, 0.2824, 0.2706



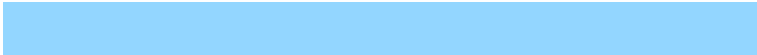
61.5162, 0.3826, 0.3735



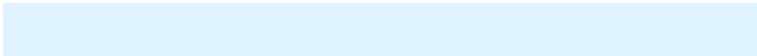
61.5162, 0.3405, 0.3947

Sweetspot

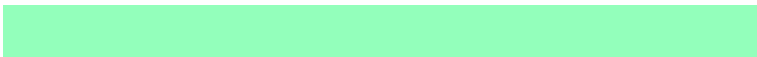
The Sweet Spot groups the original color and five complimentary colors.



61.5171, 0.2469, 0.2805



86.4655, 0.2924, 0.3161



81.3083, 0.2872, 0.4115



18.0486, 0.2890, 0.3137



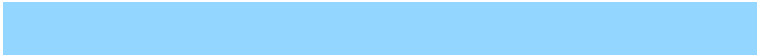
0.0000, 0.0000, 0.0000



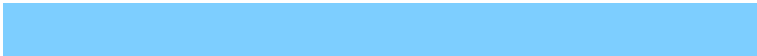
21.4041, 0.3127, 0.3290

Same Dimension

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



61.5171, 0.2469, 0.2805



55.5021, 0.2344, 0.2685



39.1009, 0.2360, 0.2149



19.2530, 0.2979, 0.3197



16.8543, 0.1886, 0.1991



1.8520, 0.1932, 0.2155

Inverse Universe

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



47.0191, 0.3543, 0.2610



40.3489, 0.3665, 0.2479



86.0540, 0.3815, 0.4217



18.1764, 0.3197, 0.3144



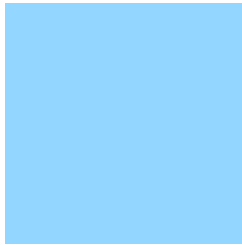
12.4294, 0.4464, 0.2233



1.2315, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 61.5162, 0.2469, 0.2805 looks on a white background.

Color Contrast Check

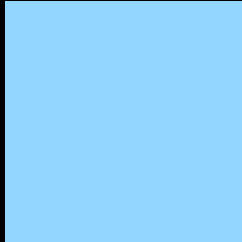
Large Text (above 18pt) WCAG AA × Fail

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 61.5162, 0.2469, 0.2805 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

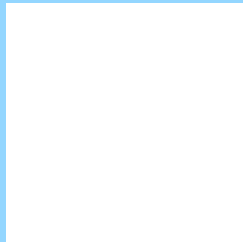
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.5162, 0.2469, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 61.5162, 0.2469, 0.2805.



This preview shows how white text looks on a background with the Yxy color 61.5162, 0.2469, 0.2805.

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

61.5162, 0.2469, 0.2805

Protanopia

61.0294, 0.2779, 0.2796

Deuteranopia

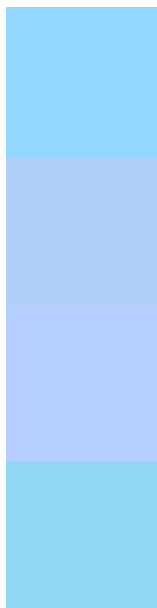
60.9991, 0.2749, 0.2695



Tritanopia

61.3746, 0.2547, 0.3067

Trichromacy



Original Color

61.5162, 0.2469, 0.2805

Protanomaly

60.9928, 0.2656, 0.2797

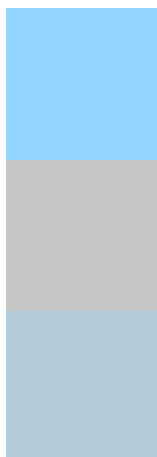
Deuteranomaly

60.9463, 0.2634, 0.2734

Tritanomaly

61.4518, 0.2520, 0.2974

Monochromacy



Original Color

61.5162, 0.2469, 0.2805

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.0035, 0.2851, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5162, 0.2469, 0.2805 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(147, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 214, 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(147, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.5162, 0.2469, 0.2805 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(147, 214, 255) }
```

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

```
.border{ border-color:rgb(147, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5162, 0.2469, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 214, 255) }
```

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

```
.background{ background-color: rgb(147,  
214, 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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