

Converting Colors

Yxy(64.8091, 0.2494, 0.2815)

Have a look what the booklet for
Yxy(64.8091, 0.2494, 0.2815)
contains.

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Color

Yxy(64.3314, 0.2517, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	9BDAFF
RGB	155, 218, 255
RGB Percent	61%, 85%, 100%
CMY	0.3923, 0.1451, 0.0000
CMYK	0.39, 0.15, 0.00, 0.00
HSL	202°, 100%, 80%
HSV	202°, 39%, 100%
XYZ	56.6359, 64.3314, 104.0463
YIQ	203.3810, -49.4250, -1.8490

Conversions

Conversions Part 2

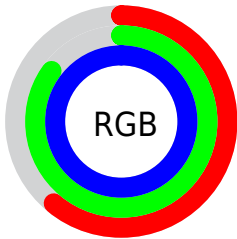
Format	Color
RYB	155, 194, 255
Decimal	10214143
CIELab	84.14, -10.88, -24.34
CIELCh	84, 26.664, 245.913
Yxy	64.3314, 0.2517, 0.2859
Android (android.graphics.Color)	4288404223 (0xFF9BDAFF)
YUV	203.3810, 25.4482, -42.4301
Hunter-Lab	80.2069, -14.3190, -20.7676

Details

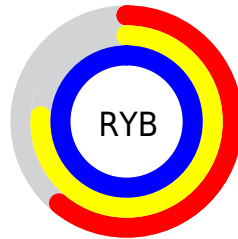
The Yxy color **64.3314, 0.2517, 0.2859** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.3109, 0.3960, 0.3679**, and the grayscale version is **59.8310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **32.9243, 0.2377, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **57.3185, 0.2372, 0.2726**, and if you desaturate by 10%, it is **72.1591, 0.2670, 0.2983**.

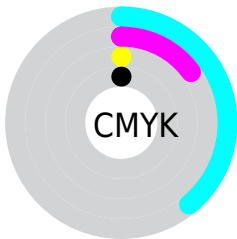
Distribution



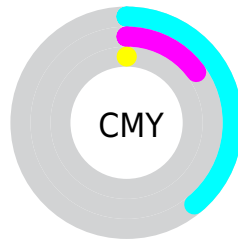
- Red (61%)
- Green (85%)
- Blue (100%)



- Red (61%)
- Yellow (76%)
- Blue (100%)



- Cyan (39%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3314, 0.2517, 0.2859 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 64.3314, 0.2517, 0.2859 by changing the saturation by 10% instead.

 64.3314, 0.2517,
0.2859


 64.3314, 0.2517,
0.2859


440.3854, 0.2798,
0.3065

 46.9191, 0.2453,
0.2811


 111.0881, 0.2614,
0.2931

 32.9717, 0.2375,
0.2751

 141.2013, 0.2652,
0.2959

 22.1048, 0.2277,
0.2674

176.3169, 0.2685,
0.2983

 13.9339, 0.2151,
0.2574

216.8194, 0.2713,
0.3004

 8.0747, 0.1982,
0.2435

263.0931, 0.2739,
0.3022

 4.1428, 0.1749,
0.2236

315.5224, 0.2761,

 1.7538, 0.1412,

0.3038

0.1931

374.4917, 0.2781,
0.3052

0.4581, 0.0495,
0.1335

0.0000, 0.0000,
0.0000

64.3314, 0.2517,
0.2859

64.3314, 0.2517,
0.2859

57.3185, 0.2372,
0.2726

72.1591, 0.2670,
0.2983

51.0762, 0.2239,
0.2587

80.8313, 0.2827,
0.3098

45.5641, 0.2123,
0.2444

90.3826, 0.2984,
0.3203

40.7343, 0.2026,
0.2299

100.0000, 0.3127,
0.3290

■ 36.5307, 0.1950,
0.2155

■ 32.8711, 0.1894,
0.2016

■ 32.6028, 0.1890,
0.2005

Harmonies

Analogous

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



64.3314, 0.2525, 0.3099



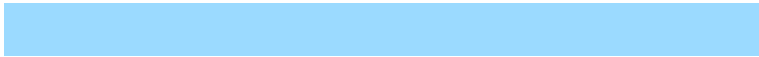
64.3314, 0.2517, 0.2859



64.3314, 0.2661, 0.2747

Triad

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



64.3314, 0.2517, 0.2859



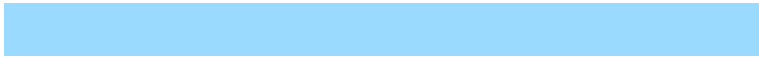
64.3314, 0.3581, 0.3150



64.3314, 0.3298, 0.3876

Complementary

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



64.3314, 0.2517, 0.2859



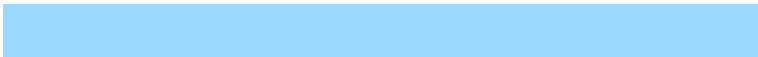
61.3109, 0.3960, 0.3679

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.



64.3314, 0.3597, 0.3857



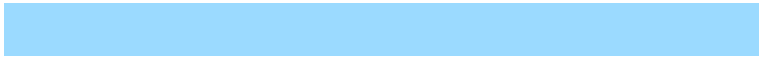
64.3314, 0.2517, 0.2859



64.3314, 0.3769, 0.3425

Square

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



64.3314, 0.2517, 0.2859



64.3314, 0.3268, 0.2917



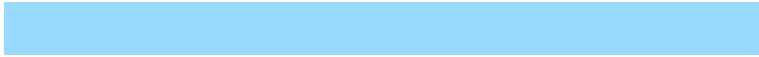
64.3314, 0.3773, 0.3684



64.3314, 0.2964, 0.3712

Rectangle

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



64.3314, 0.2517, 0.2859



64.3314, 0.2830, 0.2749



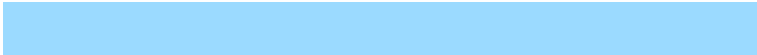
64.3314, 0.3773, 0.3684



64.3314, 0.3406, 0.3890

Sweetspot

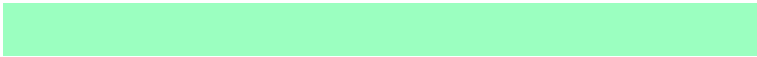
The Sweet Spot groups the original color and five complimentary colors.



64.3333, 0.2517, 0.2859



87.6422, 0.2940, 0.3175



82.2765, 0.2887, 0.4044



18.4881, 0.2920, 0.3161



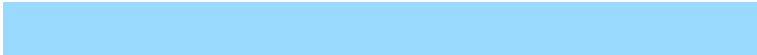
0.0000, 0.0000, 0.0000



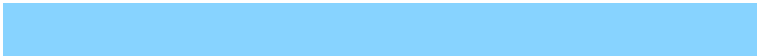
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3333, 0.2517, 0.2859



58.8111, 0.2404, 0.2757



42.3070, 0.2423, 0.2247



19.2858, 0.2979, 0.3200



17.3310, 0.1897, 0.2028



1.8966, 0.1941, 0.2188

Inverse Universe

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



49.7571, 0.3493, 0.2649



43.3167, 0.3595, 0.2526



86.9299, 0.3764, 0.4152



18.1797, 0.3195, 0.3141



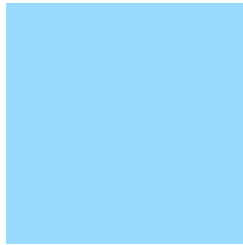
12.4775, 0.4421, 0.2209



1.2360, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 64.3314, 0.2517, 0.2859 looks on a white background.

Color Contrast Check

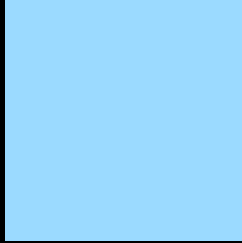
Large Text (above 18pt) WCAG AA × Fail

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 64.3314, 0.2517, 0.2859 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

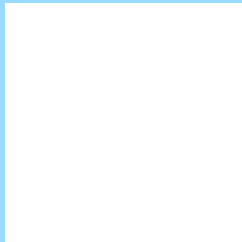
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3314, 0.2517, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 64.3314, 0.2517, 0.2859.

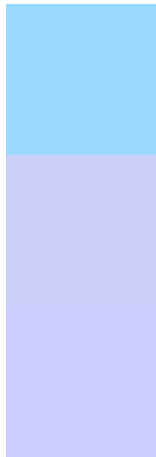


This preview shows how white text looks on a background with the Yxy color 64.3314, 0.2517, 0.2859.

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

64.3314, 0.2517, 0.2859

Protanopia

63.8205, 0.2816, 0.2837

Deuteranopia

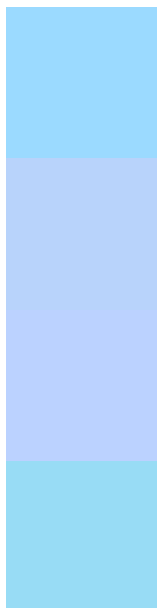
63.8618, 0.2799, 0.2748



Tritanopia

64.5242, 0.2581, 0.3073

Trichromacy



Original Color

64.3314, 0.2517, 0.2859

Protanomaly

63.7439, 0.2693, 0.2838

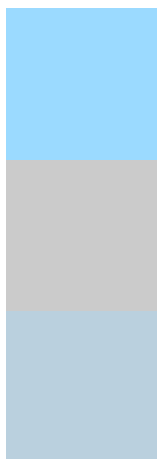
Deuteranomaly

63.8780, 0.2688, 0.2787

Tritanomaly

64.4544, 0.2554, 0.2992

Monochromacy



Original Color

64.3314, 0.2517, 0.2859

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.8248, 0.2876, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3314, 0.2517, 0.2859 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(155, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 218, 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(155, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3314, 0.2517, 0.2859 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(155, 218, 255) }
```

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

```
.border{ border-color:rgb(155, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3314, 0.2517, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 218, 255) }
```

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

```
.background{ background-color: rgb(155,  
218, 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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