

Converting Colors

$Yxy(68.9281, 0.2251, 0.2317)$

Have a look what the booklet for
Yxy(68.9281, 0.2251, 0.2317)
contains.

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Color

Yxy(64.3671, 0.2494, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	96DBFF
RGB	150, 219, 255
RGB Percent	59%, 86%, 100%
CMY	0.4114, 0.1412, 0.0000
CMYK	0.41, 0.14, 0.00, 0.00
HSL	201°, 100%, 79%
HSV	201°, 41%, 100%
XYZ	55.9733, 64.3671, 104.0916
YIQ	202.4730, -52.6800, -3.4320

Conversions

Conversions Part 2

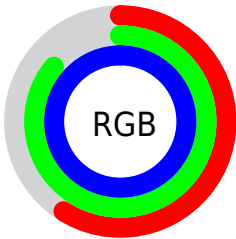
Format	Color
R_{YB}	150, 192, 255
Decimal	9886719
CIE _{Lab}	84.16, -12.61, -24.34
CIE _{LCh}	84, 27.411, 242.612
Yxy	64.3671, 0.2494, 0.2868
Android (android.graphics.Color)	4288076799 (0xFF96DBFF)
YUV	202.4730, 25.8958, -46.0188
Hunter-Lab	80.2291, -15.8671, -20.7642

Details

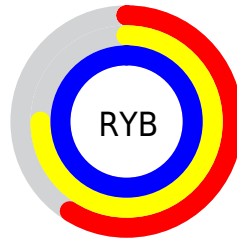
The Yxy color **64.3671, 0.2494, 0.2868** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.6299, 0.4026, 0.3669**, and the grayscale version is **59.2462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **32.9553, 0.2347, 0.2764** is the 20% darker color. If you saturate the color by 10%, you get **57.7571, 0.2355, 0.2744**, and if you desaturate by 10%, it is **71.7471, 0.2643, 0.2985**.

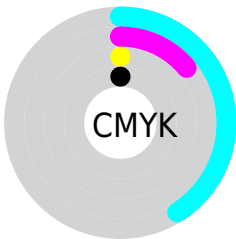
Distribution



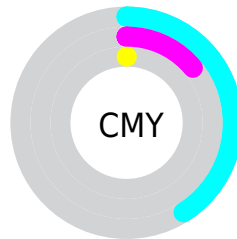
- Red (59%)
- Green (86%)
- Blue (100%)



- Red (59%)
- Yellow (75%)
- Blue (100%)



- Cyan (41%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3671, 0.2494, 0.2868 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 64.3671, 0.2494, 0.2868 by changing the saturation by 10% instead.

64.3671, 0.2494,
0.2868

64.3671, 0.2494,
0.2868

440.5141, 0.2786,
0.3070

46.9481, 0.2428,
0.2821

111.1395, 0.2595,
0.2939

32.9946, 0.2348,
0.2761

141.2616, 0.2634,
0.2967

22.1223, 0.2246,
0.2686

176.3868, 0.2668,
0.2990

13.9468, 0.2116,
0.2585

216.8996, 0.2697,
0.3011

8.0837, 0.1943,
0.2448

263.1843, 0.2723,
0.3028

4.1485, 0.1704,
0.2249

315.6254, 0.2747,

1.7570, 0.1360,

0.3044

0.1944

374.6072, 0.2767,
0.3058

0.4602, 0.0381,
0.1354

0.0000, 0.0000,
0.0000

64.3671, 0.2494,
0.2868

64.3671, 0.2494,
0.2868

57.7571, 0.2355,
0.2744

71.7471, 0.2643,
0.2985

51.8740, 0.2228,
0.2615

79.9270, 0.2797,
0.3093

46.6771, 0.2119,
0.2482

88.9410, 0.2954,
0.3191

42.1183, 0.2030,
0.2348

98.8193, 0.3110,
0.3280

■ 38.1405, 0.1962,
0.2216

100.0000, 0.3127,
0.3290

■ 35.0246, 0.1917,
0.2102

Harmonies

Analogous

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



64.3671, 0.2520, 0.3126



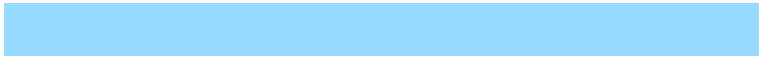
64.3671, 0.2494, 0.2868



64.3671, 0.2625, 0.2738

Triad

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



64.3671, 0.2494, 0.2868



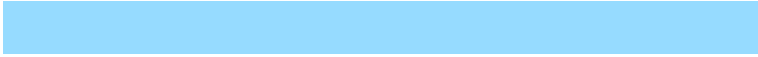
64.3671, 0.3563, 0.3117



64.3671, 0.3339, 0.3900

Complementary

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



64.3671, 0.2494, 0.2868



58.6299, 0.4026, 0.3669

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.



64.3671, 0.3637, 0.3860



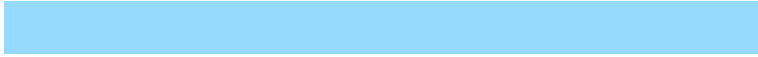
64.3671, 0.2494, 0.2868



64.3671, 0.3775, 0.3397

Square

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



64.3671, 0.2494, 0.2868



64.3671, 0.3233, 0.2885



64.3671, 0.3801, 0.3668



64.3671, 0.2996, 0.3751

Rectangle

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



64.3671, 0.2494, 0.2868



64.3671, 0.2790, 0.2730



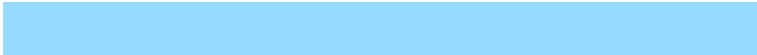
64.3671, 0.3801, 0.3668



64.3671, 0.3448, 0.3907

Sweetspot

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



64.3687, 0.2494, 0.2868



88.1307, 0.2940, 0.3183



81.5188, 0.2895, 0.4132



18.6033, 0.2920, 0.3171



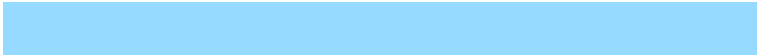
0.0000, 0.0000, 0.0000



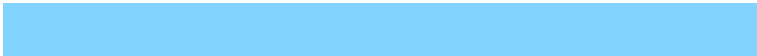
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3687, 0.2494, 0.2868



59.1083, 0.2383, 0.2771



41.5640, 0.2391, 0.2230



19.3697, 0.2980, 0.3206



18.5901, 0.1923, 0.2123



2.0136, 0.1964, 0.2271

Inverse Universe

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



48.2174, 0.3491, 0.2592



41.9972, 0.3588, 0.2465



84.3328, 0.3809, 0.4162



18.1882, 0.3191, 0.3135



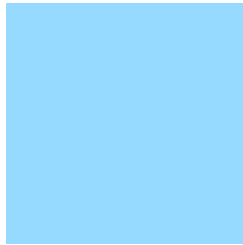
12.6046, 0.4316, 0.2151



1.2478, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 64.3671, 0.2494, 0.2868 looks on a white background.

Color Contrast Check

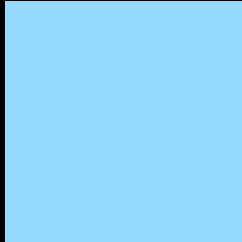
Large Text (above 18pt) WCAG AA × Fail

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 64.3671, 0.2494, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

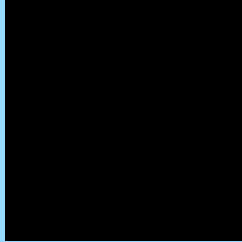
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3671, 0.2494, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 64.3671, 0.2494, 0.2868.

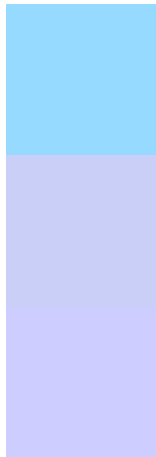


This preview shows how white text looks on a background with the Yxy color 64.3671, 0.2494, 0.2868.

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

64.3671, 0.2494, 0.2868

Protanopia

63.7586, 0.2822, 0.2847

Deuteranopia

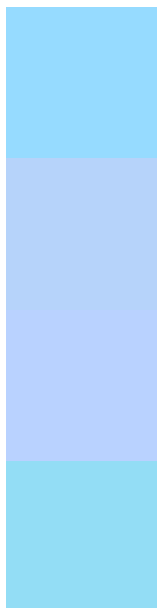
63.8618, 0.2799, 0.2748



Tritanopia

64.5855, 0.2557, 0.3084

Trichromacy



Original Color

64.3671, 0.2494, 0.2868

Protanomaly

63.4357, 0.2686, 0.2847

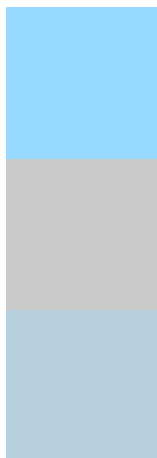
Deuteranomaly

63.6275, 0.2675, 0.2786

Tritanomaly

64.5085, 0.2531, 0.3002

Monochromacy



Original Color

64.3671, 0.2494, 0.2868

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.3995, 0.2861, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3671, 0.2494, 0.2868 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(150, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 219, 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(150, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3671, 0.2494, 0.2868 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(150, 219, 255) }
```

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

```
.border{ border-color:rgb(150, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3671, 0.2494, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 219, 255) }
```

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

```
.background{ background-color: rgb(150,  
219, 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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