

Converting Colors

Yxy(64.2028, 0.2668, 0.2802)

Have a look what the booklet for
Yxy(64.2028, 0.2668, 0.2802)
contains.

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Color

Yxy(64.4973, 0.2672, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	B8D4FF
RGB	184, 212, 255
RGB Percent	72%, 83%, 100%
CMY	0.2781, 0.1687, 0.0000
CMYK	0.28, 0.17, 0.00, 0.00
HSL	216°, 100%, 86%
HSV	216°, 28%, 100%
XYZ	61.3735, 64.4973, 103.8204
YIQ	208.5300, -30.4910, 7.4370

Conversions

Conversions Part 2

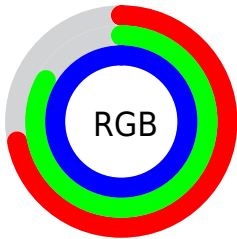
Format	Color
RYB	184, 204, 255
Decimal	12113151
CIELab	84.22, 0.17, -24.05
CIElCh	84, 24.052, 270.396
Yxy	64.4973, 0.2672, 0.2808
Android (android.graphics.Color)	4290303231 (0xFFB8D4FF)
YUV	208.5300, 22.9097, -21.5128
Hunter-Lab	80.3102, -4.1322, -20.4296

Details

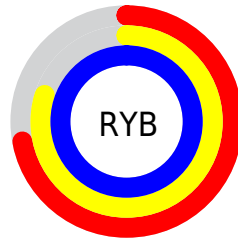
The Yxy color **64.4973, 0.2672, 0.2808** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.7113, 0.3620, 0.3728**, and the grayscale version is **63.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **33.1981, 0.2562, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **54.2630, 0.2497, 0.2600**, and if you desaturate by 10%, it is **76.0450, 0.2843, 0.2998**.

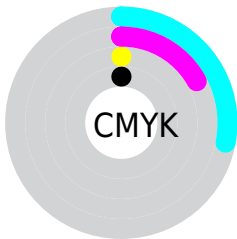
Distribution



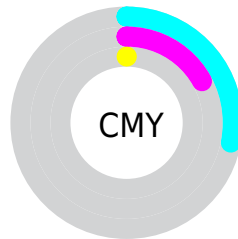
- Red (72%)
- Green (83%)
- Blue (100%)



- Red (72%)
- Yellow (80%)
- Blue (100%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4973, 0.2672, 0.2808 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 64.4973, 0.2672, 0.2808 by changing the saturation by 10% instead.

■ 64.4973, 0.2672,
0.2808

■ 64.4973, 0.2672,
0.2808

■ 440.9833, 0.2884,
0.3033

■ 47.0536, 0.2623,
0.2757

■ 111.3268, 0.2746,
0.2886

■ 33.0780, 0.2563,
0.2693

■ 141.4814, 0.2774,
0.2916

■ 22.1862, 0.2488,
0.2613

■ 176.6417, 0.2799,
0.2943

■ 13.9938, 0.2389,
0.2508

■ 217.1922, 0.2821,
0.2965

■ 8.1163, 0.2255,
0.2367

■ 263.5172, 0.2839,
0.2985

■ 4.1695, 0.2066,
0.2168

■ 316.0011, 0.2856,

■ 1.7688, 0.1782,

0.3003

0.1868

375.0283, 0.2871,
0.3019

0.4676, 0.1212,
0.1264

0.0000, 0.0000,
0.0000

64.4973, 0.2672,
0.2808

64.4973, 0.2672,
0.2808

54.2630, 0.2497,
0.2600

76.0450, 0.2843,
0.2998

45.2832, 0.2323,
0.2376

88.9465, 0.3006,
0.3169

37.5054, 0.2156,
0.2142

99.9999, 0.3127,
0.3290

30.8699, 0.2002,
0.1903

■ 25.3106, 0.1868,
0.1669

■ 20.7525, 0.1761,
0.1448

■ 17.1021, 0.1684,
0.1250

■ 16.4009, 0.1669,
0.1209

Harmonies

Analogous

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



64.4973, 0.2565, 0.2934



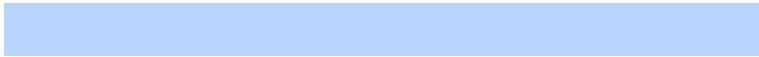
64.4973, 0.2672, 0.2808



64.4973, 0.2899, 0.2807

Triad

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



64.4973, 0.2672, 0.2808



64.4973, 0.3685, 0.3368



64.4973, 0.3035, 0.3706

Complementary

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



64.4973, 0.2672, 0.2808



79.7113, 0.3620, 0.3728

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.



64.4973, 0.3337, 0.3825



64.4973, 0.2672, 0.2808



64.4973, 0.3722, 0.3609

Square

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



64.4973, 0.2672, 0.2808



64.4973, 0.3490, 0.3121



64.4973, 0.3591, 0.3782



64.4973, 0.2767, 0.3457

Rectangle

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



64.4973, 0.2672, 0.2808



64.4973, 0.3095, 0.2871



64.4973, 0.3591, 0.3782



64.4973, 0.3136, 0.3763

Sweetspot

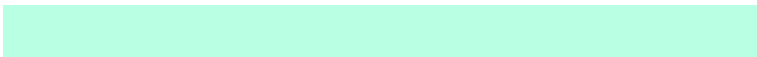
The Sweet Spot groups the original color and five complimentary colors.



64.4999, 0.2672, 0.2808



88.6928, 0.3003, 0.3166



87.2450, 0.2864, 0.3602



18.5503, 0.2979, 0.3142



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.



64.4999, 0.2672, 0.2808



59.0299, 0.2582, 0.2702



52.6313, 0.2687, 0.2493



18.5503, 0.2979, 0.3142



8.8401, 0.1678, 0.1240



1.0663, 0.1740, 0.1463

Inverse Universe

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



60.3256, 0.3500, 0.3004



54.6871, 0.3594, 0.2948



94.9229, 0.3501, 0.3999



18.1055, 0.3232, 0.3197



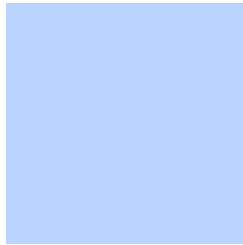
11.6204, 0.5411, 0.2754



1.1522, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 64.4973, 0.2672, 0.2808 looks on a white background.

Color Contrast Check

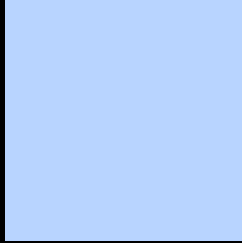
Large Text (above 18pt) WCAG AA × Fail

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 64.4973, 0.2672, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

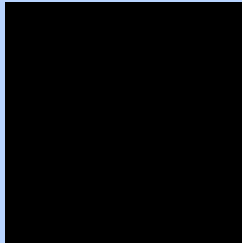
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

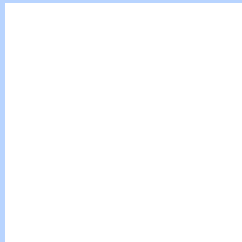
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4973, 0.2672, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 64.4973, 0.2672, 0.2808.



This preview shows how white text looks on a background with the Yxy color 64.4973, 0.2672, 0.2808.

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

64.4973, 0.2672, 0.2808

Protanopia

64.4194, 0.2786, 0.2807

Deuteranopia

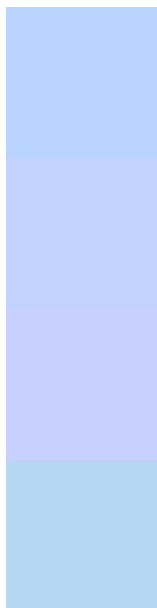
64.1480, 0.2812, 0.2750



Tritanopia

64.5786, 0.2769, 0.3091

Trichromacy



Original Color

64.4973, 0.2672, 0.2808

Protanomaly

64.1621, 0.2742, 0.2803

Deuteranomaly

64.4739, 0.2762, 0.2775

Tritanomaly

64.7755, 0.2735, 0.2990

Monochromacy



Original Color

64.4973, 0.2672, 0.2808

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.8635, 0.2948, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4973, 0.2672, 0.2808 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(184, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 212, 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(184, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.4973, 0.2672, 0.2808 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(184, 212, 255) }
```

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

```
.border{ border-color:rgb(184, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4973, 0.2672, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 212, 255) }
```

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

```
.background{ background-color: rgb(184,  
212, 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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