

Converting Colors

$Yxy(79.3039, 0.2402, 0.2497)$

Have a look what the booklet for
Yxy(79.3039, 0.2402, 0.2497)
contains.

Yxy(74.9628, 0.2663, 0.3046)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.9628, 0.2663, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	B2E9FF
RGB	178, 233, 255
RGB Percent	70%, 91%, 100%
CMY	0.3022, 0.0862, 0.0001
CMYK	0.30, 0.09, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 30%, 100%
XYZ	65.5371, 74.9628, 105.6026
YIQ	219.0630, -39.8420, -4.8180

Conversions

Conversions Part 2

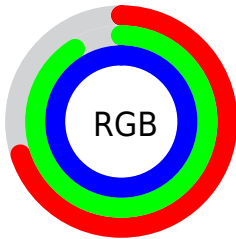
Format	Color
R _Y B	178, 210, 255
Decimal	11725311
CIE Lab	89.38, -12.48, -16.29
CIE LCh	89, 20.520, 232.544
Yxy	74.9628, 0.2663, 0.3046
Android (android.graphics.Color)	4289915391 (0xFFB2E9FF)
YUV	219.0630, 17.7169, -36.0123
Hunter-Lab	86.5811, -16.4022, -11.7090

Details

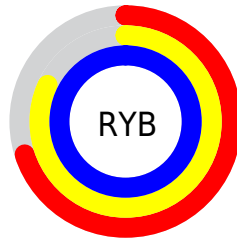
The Yxy color **74.9628, 0.2663, 0.3046** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7355, 0.3743, 0.3520**, and the grayscale version is **70.7745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **39.7325, 0.2560, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **68.1940, 0.2519, 0.2951**, and if you desaturate by 10%, it is **82.4676, 0.2814, 0.3134**.

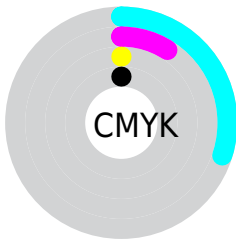
Distribution



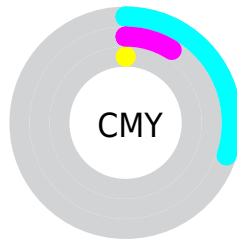
- Red (70%)
- Green (91%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9628, 0.2663, 0.3046 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 74.9628, 0.2663, 0.3046 by changing the saturation by 10% instead.

■ 74.9628, 0.2663,
0.3046

■ 74.9628, 0.2663,
0.3046

■ 477.7897, 0.2873,
0.3161

■ 55.5824, 0.2616,
0.3019

■ 126.2597, 0.2735,
0.3086

■ 39.8682, 0.2559,
0.2986

■ 158.9450, 0.2763,
0.3102

■ 27.4358, 0.2488,
0.2944

■ 196.8341, 0.2788,
0.3115

■ 17.9008, 0.2397,
0.2888

■ 240.3113, 0.2809,
0.3127

■ 10.8788, 0.2275,
0.2812

■ 289.7611, 0.2828,
0.3137

■ 5.9854, 0.2108,
0.2703

■ 345.5678, 0.2845,

■ 2.8362, 0.1862,

0.3146

0.2531

408.1159, 0.2860,
0.3154

1.0468, 0.1459,
0.2239

0.0000, 0.0000,
0.0000

74.9628, 0.2663,
0.3046

74.9628, 0.2663,
0.3046

68.1940, 0.2519,
0.2951

82.4676, 0.2814,
0.3134

62.1191, 0.2385,
0.2850

90.7302, 0.2969,
0.3215

56.7048, 0.2266,
0.2745

99.7822, 0.3124,
0.3289

51.9111, 0.2164,
0.2637

99.9985, 0.3127,
0.3290

■ 47.6921, 0.2082,
0.2527

■ 43.9934, 0.2020,
0.2419

■ 40.7914, 0.1976,
0.2314

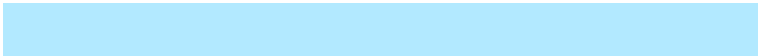
Harmonies

Analogous

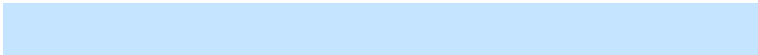
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9628, 0.2722, 0.3254



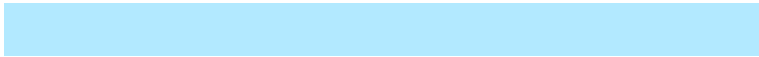
74.9628, 0.2663, 0.3046



74.9628, 0.2722, 0.2915

Triad

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



74.9628, 0.2663, 0.3046



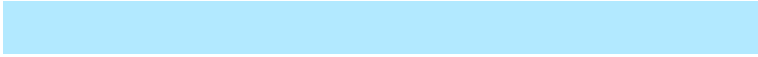
74.9628, 0.3365, 0.3104



74.9628, 0.3360, 0.3725

Complementary

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



74.9628, 0.2663, 0.3046



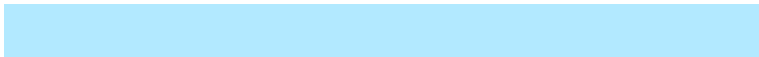
65.7355, 0.3743, 0.3520

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.



74.9628, 0.3543, 0.3663



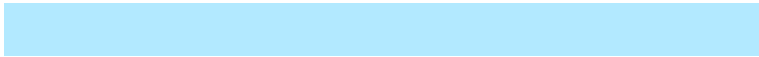
74.9628, 0.2663, 0.3046



74.9628, 0.3549, 0.3303

Square

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



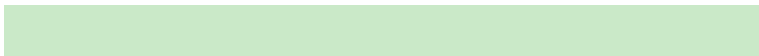
74.9628, 0.2663, 0.3046



74.9628, 0.3121, 0.2954



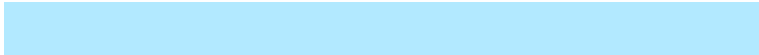
74.9628, 0.3614, 0.3506



74.9628, 0.3119, 0.3661

Rectangle

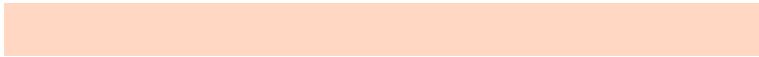
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9628, 0.2663, 0.3046



74.9628, 0.2821, 0.2883



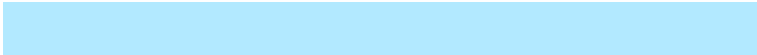
74.9628, 0.3614, 0.3506



74.9628, 0.3431, 0.3718

Sweetspot

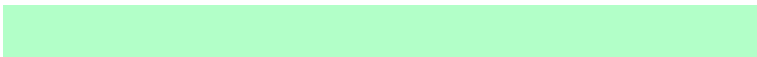
The Sweet Spot groups the original color and five complimentary colors.



74.9658, 0.2663, 0.3046



91.8004, 0.2987, 0.3224



85.1245, 0.2970, 0.3920



19.3784, 0.2965, 0.3213



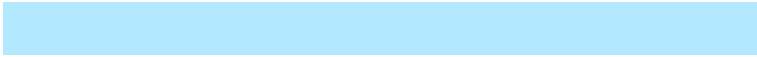
0.0000, 0.0000, 0.0000



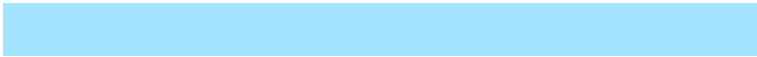
21.4041, 0.3127, 0.3290

Same Dimension

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



74.9658, 0.2663, 0.3046



70.9714, 0.2578, 0.2992



55.5471, 0.2612, 0.2599



19.5548, 0.2980, 0.3221



21.5861, 0.1981, 0.2332



2.2883, 0.2015, 0.2454

Inverse Universe

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



58.9615, 0.3334, 0.2736



53.1730, 0.3385, 0.2628



85.7854, 0.3630, 0.3897



18.2069, 0.3182, 0.3122



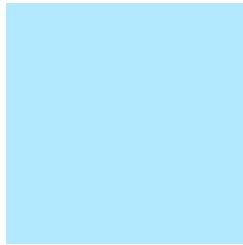
12.9071, 0.4093, 0.2028



1.2755, 0.3968, 0.1959

Previews

White Background



This preview shows how the Yxy color 74.9628, 0.2663, 0.3046 looks on a white background.

Color Contrast Check

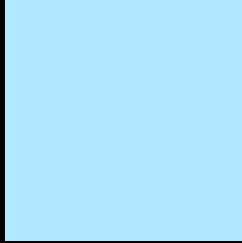
Large Text (above 18pt) WCAG AA × Fail

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 74.9628, 0.2663, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

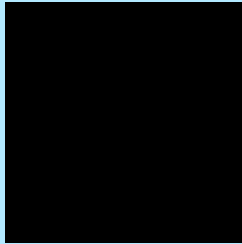
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9628, 0.2663, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 74.9628, 0.2663, 0.3046.

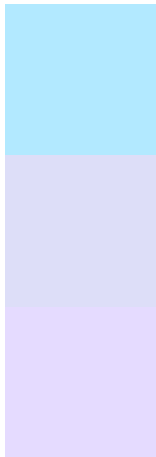


This preview shows how white text looks on a background with the Yxy color 74.9628, 0.2663, 0.3046.

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

74.9628, 0.2663, 0.3046

Protanopia

74.3920, 0.2956, 0.3017

Deuteranopia

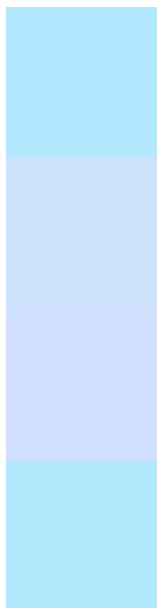
74.5410, 0.2966, 0.2920



Tritanopia

74.6532, 0.2673, 0.3077

Trichromacy



Original Color

74.9628, 0.2663, 0.3046

Protanomaly

74.3369, 0.2836, 0.3021

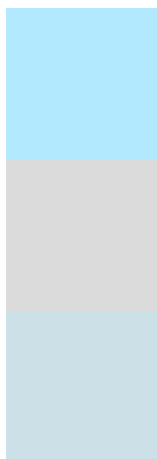
Deuteranomaly

74.2329, 0.2843, 0.2961

Tritanomaly

74.7168, 0.2668, 0.3067

Monochromacy



Original Color

74.9628, 0.2663, 0.3046

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.9749, 0.2941, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9628, 0.2663, 0.3046 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(178, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 233, 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(178, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.9628, 0.2663, 0.3046 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(178, 233, 255) }
```

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

```
.border{ border-color:rgb(178, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9628, 0.2663, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 233, 255) }
```

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

```
.background{ background-color: rgb(178,  
233, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor