

Converting Colors

$Yxy(75.0625, 0.2733, 0.3049)$

Have a look what the booklet for
Yxy(75.0625, 0.2733, 0.3049)
contains.

Yxy(75.0625, 0.2733, 0.3049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.0625, 0.2733, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	BDE7FD
RGB	189, 231, 253
RGB Percent	74%, 91%, 99%
CMY	0.2589, 0.0941, 0.0080
CMYK	0.25, 0.09, 0.00, 0.01
HSL	201°, 94%, 87%
HSV	201°, 25%, 99%
XYZ	67.2830, 75.0625, 103.8418
YIQ	220.9500, -32.0940, -2.0620

Conversions

Conversions Part 2

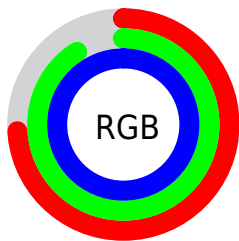
Format	Color
R _Y B	189, 214, 253
Decimal	12445693
CIE _{Lab}	89.42, -8.79, -15.10
CIE _{LCh}	89, 17.475, 239.793
Y _{xy}	75.0625, 0.2733, 0.3049
Android (android.graphics.Color)	4290635773 (0xFFBDE7FD)
Y _{UV}	220.9500, 15.8007, -28.0201
Hunter-Lab	86.6386, -12.9957, -10.4157

Details

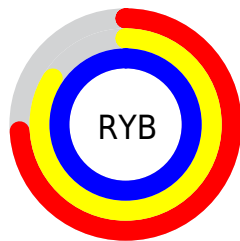
The Yxy color **75.0625, 0.2733, 0.3049** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1044, 0.3610, 0.3519**, and the grayscale version is **72.1715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **39.7138, 0.2643, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **67.3693, 0.2580, 0.2938**, and if you desaturate by 10%, it is **83.5668, 0.2889, 0.3151**.

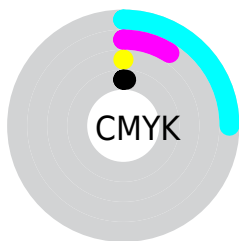
Distribution



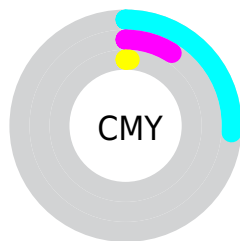
- Red (74%)
- Green (91%)
- Blue (99%)



- Red (74%)
- Yellow (84%)
- Blue (99%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (26%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0625, 0.2733, 0.3049 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 75.0625, 0.2733, 0.3049 by changing the saturation by 10% instead.

■ 75.0625, 0.2733,
0.3049

■ 75.0625, 0.2733,
0.3049

■ 478.1324, 0.2912,
0.3162

■ 55.6641, 0.2693,
0.3023

■ 126.4008, 0.2794,
0.3088

■ 39.9337, 0.2644,
0.2991

■ 159.1095, 0.2818,
0.3103

■ 27.4868, 0.2583,
0.2950

■ 197.0238, 0.2839,
0.3117

■ 17.9392, 0.2504,
0.2897

■ 240.5280, 0.2857,
0.3128

■ 10.9063, 0.2399,
0.2825

■ 290.0066, 0.2873,
0.3138

■ 6.0039, 0.2253,
0.2720

■ 345.8439, 0.2888,

■ 2.8474, 0.2036,

0.3147

0.2559

408.4244, 0.2900,
0.3155

1.0526, 0.1683,
0.2281

0.0000, 0.0000,
0.0000

75.0625, 0.2733,
0.3049

75.0625, 0.2733,
0.3049

67.3693, 0.2580,
0.2938

83.5668, 0.2889,
0.3151

60.4454, 0.2435,
0.2818

92.9037, 0.3045,
0.3245

54.2583, 0.2301,
0.2692

99.8697, 0.3139,
0.3309

48.7692, 0.2181,
0.2561

■ 43.9343, 0.2080,
0.2428

■ 39.7034, 0.2000,
0.2294

■ 36.0152, 0.1940,
0.2164

■ 34.4273, 0.1918,
0.2103

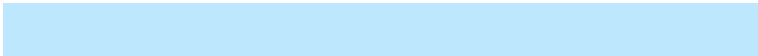
Harmonies

Analogous

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



75.0625, 0.2759, 0.3215



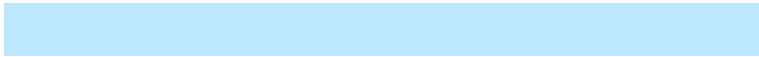
75.0625, 0.2733, 0.3049



75.0625, 0.2807, 0.2955

Triad

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



75.0625, 0.2733, 0.3049



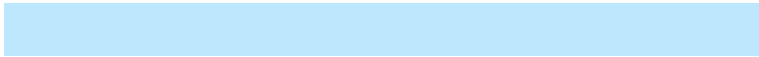
75.0625, 0.3374, 0.3170



75.0625, 0.3279, 0.3656

Complementary

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



75.0625, 0.2733, 0.3049



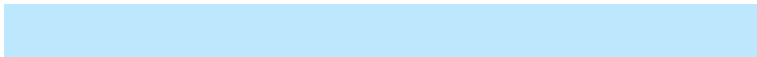
71.1044, 0.3610, 0.3519

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.



75.0625, 0.3452, 0.3630



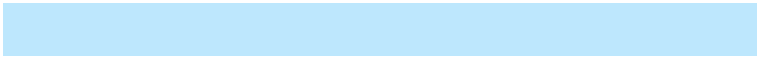
75.0625, 0.2733, 0.3049



75.0625, 0.3509, 0.3346

Square

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



75.0625, 0.2733, 0.3049



75.0625, 0.3174, 0.3028



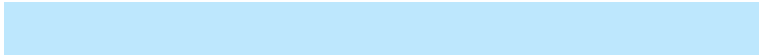
75.0625, 0.3537, 0.3514



75.0625, 0.3070, 0.3575

Rectangle

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



75.0625, 0.2733, 0.3049



75.0625, 0.2906, 0.2941



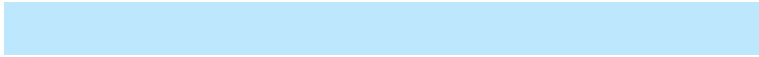
75.0625, 0.3537, 0.3514



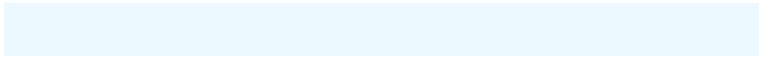
75.0625, 0.3344, 0.3659

Sweetspot

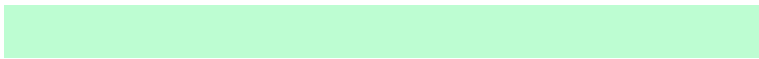
The Sweet Spot groups the original color and five complimentary colors.



75.0655, 0.2733, 0.3049



91.9497, 0.3003, 0.3220



85.7142, 0.2977, 0.3766



19.3704, 0.2980, 0.3206



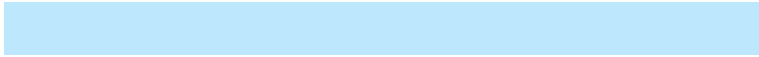
0.0000, 0.0000, 0.0000



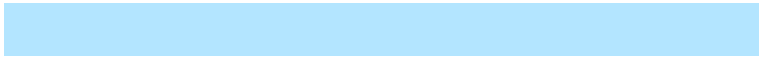
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0655, 0.2733, 0.3049



72.6471, 0.2660, 0.2998



59.0496, 0.2701, 0.2690



19.3704, 0.2980, 0.3206



18.6014, 0.1923, 0.2124



2.0147, 0.1965, 0.2272

Inverse Universe

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



63.0330, 0.3322, 0.2864



58.9436, 0.3368, 0.2782



88.2339, 0.3535, 0.3826



18.1883, 0.3191, 0.3135



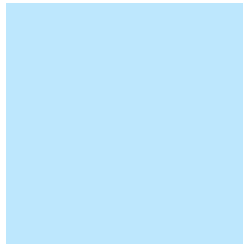
12.6058, 0.4315, 0.2151



1.2479, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 75.0625, 0.2733, 0.3049 looks on a white background.

Color Contrast Check

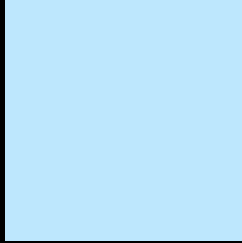
Large Text (above 18pt) WCAG AA × Fail

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 75.0625, 0.2733, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

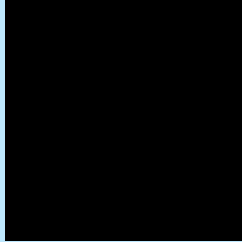
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0625, 0.2733, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 75.0625, 0.2733, 0.3049.

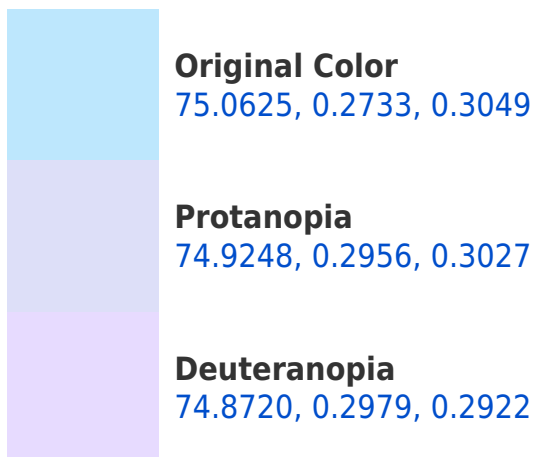


This preview shows how white text looks on a background with the Yxy color 75.0625, 0.2733, 0.3049.

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





Tritanopia

74.7453, 0.2743, 0.3080

Trichromacy



Original Color

75.0625, 0.2733, 0.3049

Protanomaly

74.8501, 0.2867, 0.3033

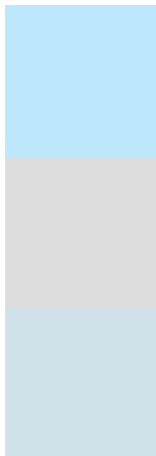
Deuteranomaly

74.5300, 0.2887, 0.2964

Tritanomaly

74.8082, 0.2738, 0.3069

Monochromacy



Original Color

75.0625, 0.2733, 0.3049

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.2889, 0.2968, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0625, 0.2733, 0.3049 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(189, 231, 253)` looks like.

```
.text, #text, p{  
    color:rgb(189, 231, 253)  
}
```

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(189, 231, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 231, 253) }
```

Border

The CSS property to change the border of an element to Yxy 75.0625, 0.2733, 0.3049 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(189, 231, 253) }
```

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

```
.border{ border-color:rgb(189, 231, 253) }
```

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

Here you see how a box with a 4 pixel rgb(189, 231, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 231, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 231, 253);  
box-shadow:4px 4px 4px 4px rgb(189, 231,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0625, 0.2733, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 231, 253) }
```

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

```
.background{ background-color: rgb(189,  
231, 253) }
```

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