

Converting Colors

$Yxy(74.8188, 0.2717, 0.3022)$

Have a look what the booklet for
Yxy(74.8188, 0.2717, 0.3022)
contains.

Yxy(75.0632, 0.2717, 0.3027)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.0632, 0.2717, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	BCE7FF
RGB	188, 231, 255
RGB Percent	74%, 91%, 100%
CMY	0.2625, 0.0942, 0.0000
CMYK	0.26, 0.09, 0.00, 0.00
HSL	202°, 100%, 87%
HSV	202°, 26%, 100%
XYZ	67.3759, 75.0632, 105.5398
YIQ	220.8790, -33.3320, -1.6520

Conversions

Conversions Part 2

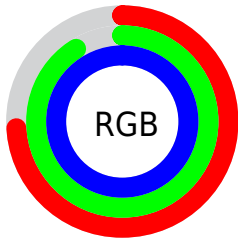
Format	Color
R _Y B	188, 214, 255
Decimal	12380159
CIE Lab	89.42, -8.59, -16.17
CIE LCh	89, 18.308, 242.023
Yxy	75.0632, 0.2717, 0.3027
Android (android.graphics.Color)	4290570239 (0xFFBCE7FF)
YUV	220.8790, 16.8217, -28.8349
Hunter-Lab	86.6390, -12.8057, -11.5771

Details

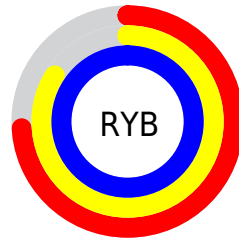
The Yxy color **75.0632, 0.2717, 0.3027** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0156, 0.3630, 0.3538**, and the grayscale version is **72.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **39.7237, 0.2623, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **67.1209, 0.2564, 0.2909**, and if you desaturate by 10%, it is **83.8512, 0.2874, 0.3135**.

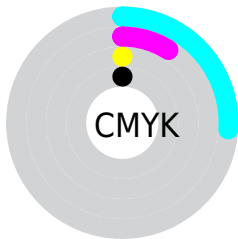
Distribution



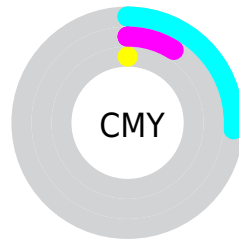
- Red (74%)
- Green (91%)
- Blue (100%)



- Red (74%)
- Yellow (84%)
- Blue (100%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0632, 0.2717, 0.3027 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 75.0632, 0.2717, 0.3027 by changing the saturation by 10% instead.

■ 75.0632, 0.2717,
0.3027

■ 75.0632, 0.2717,
0.3027

478.1348, 0.2903,
0.3150

■ 55.6647, 0.2675,
0.2999

■ 126.4018, 0.2781,
0.3070

■ 39.9341, 0.2625,
0.2964

159.1107, 0.2806,
0.3086

■ 27.4872, 0.2561,
0.2920

197.0251, 0.2827,
0.3101

■ 17.9395, 0.2479,
0.2862

240.5296, 0.2846,
0.3113

■ 10.9065, 0.2371,
0.2784

290.0083, 0.2863,
0.3124

■ 6.0040, 0.2220,
0.2672

345.8459, 0.2878,

■ 2.8475, 0.1996,

0.3133

0.2499

408.4265, 0.2891,
0.3142

1.0527, 0.1637,
0.2205

0.0000, 0.0000,
0.0000

75.0632, 0.2717,
0.3027

75.0632, 0.2717,
0.3027

67.1209, 0.2564,
0.2909

83.8512, 0.2874,
0.3135

59.9812, 0.2417,
0.2783

93.5078, 0.3030,
0.3234

53.6101, 0.2282,
0.2650

99.9997, 0.3127,
0.3290

47.9669, 0.2162,
0.2512

■ 43.0060, 0.2060,
0.2372

■ 38.6747, 0.1980,
0.2233

■ 34.9083, 0.1920,
0.2096

■ 33.6057, 0.1902,
0.2045

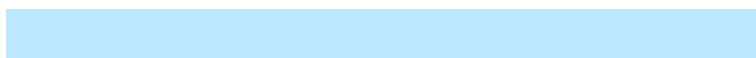
Harmonies

Analogous

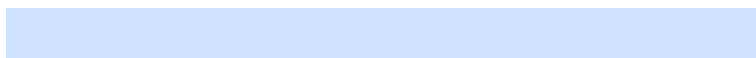
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0632, 0.2737, 0.3196



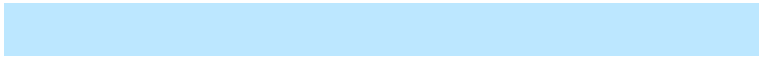
75.0632, 0.2717, 0.3027



75.0632, 0.2802, 0.2936

Triad

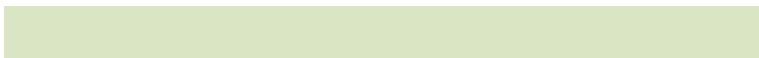
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0632, 0.2717, 0.3027



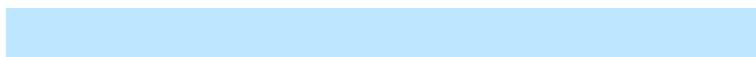
75.0632, 0.3400, 0.3177



75.0632, 0.3271, 0.3671

Complementary

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



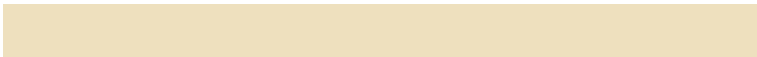
75.0632, 0.2717, 0.3027



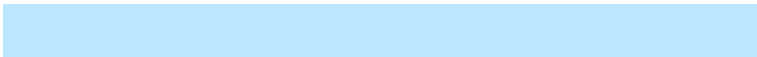
72.0156, 0.3630, 0.3538

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.



75.0632, 0.3456, 0.3652



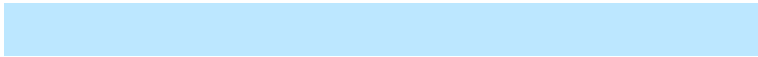
75.0632, 0.2717, 0.3027



75.0632, 0.3534, 0.3362

Square

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



75.0632, 0.2717, 0.3027



75.0632, 0.3193, 0.3025



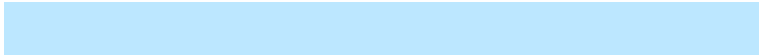
75.0632, 0.3554, 0.3535



75.0632, 0.3051, 0.3579

Rectangle

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



75.0632, 0.2717, 0.3027



75.0632, 0.2909, 0.2926



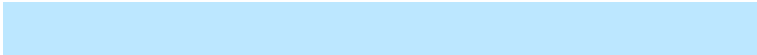
75.0632, 0.3554, 0.3535



75.0632, 0.3339, 0.3677

Sweetspot

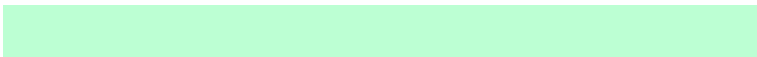
The Sweet Spot groups the original color and five complimentary colors.



75.0662, 0.2717, 0.3027



91.7544, 0.3003, 0.3217



86.9446, 0.2966, 0.3773



19.3211, 0.2980, 0.3203



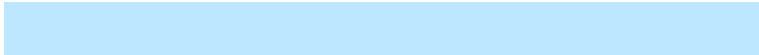
0.0000, 0.0000, 0.0000



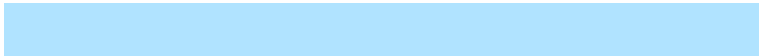
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0662, 0.2717, 0.3027



71.1900, 0.2643, 0.2972



58.3565, 0.2681, 0.2651



19.3211, 0.2980, 0.3203



17.8534, 0.1908, 0.2068



1.9453, 0.1951, 0.2223

Inverse Universe

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



63.0233, 0.3340, 0.2857



57.8177, 0.3389, 0.2776



90.1709, 0.3549, 0.3857



18.1833, 0.3193, 0.3139



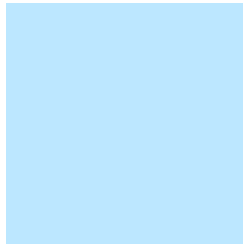
12.5303, 0.4377, 0.2185



1.2409, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 75.0632, 0.2717, 0.3027 looks on a white background.

Color Contrast Check

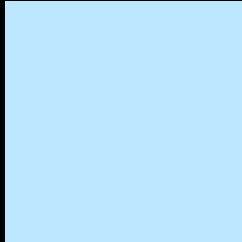
Large Text (above 18pt) WCAG AA × Fail

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 75.0632, 0.2717, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

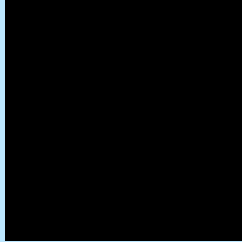
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

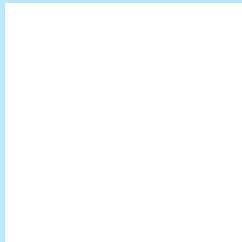
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0632, 0.2717, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 75.0632, 0.2717, 0.3027.

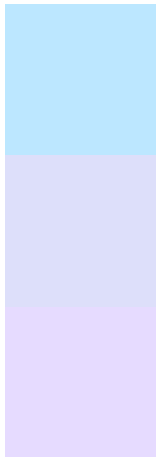


This preview shows how white text looks on a background with the Yxy color 75.0632, 0.2717, 0.3027.

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

75.0632, 0.2717, 0.3027

Protanopia

75.0496, 0.2944, 0.3007

Deuteranopia

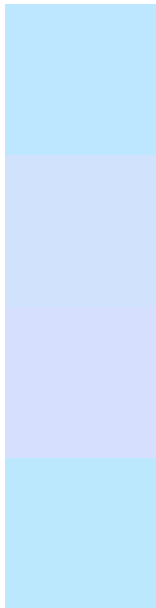
74.7060, 0.2972, 0.2921



Tritanopia

75.1801, 0.2738, 0.3091

Trichromacy



Original Color

75.0632, 0.2717, 0.3027

Protanomaly

74.9763, 0.2855, 0.3013

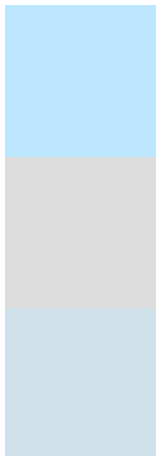
Deuteranomaly

74.4424, 0.2875, 0.2953

Tritanomaly

75.3063, 0.2728, 0.3070

Monochromacy



Original Color

75.0632, 0.2717, 0.3027

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 75.0632, 0.2717, 0.3027 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(188, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 231, 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(188, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.0632, 0.2717, 0.3027 is called "border". The border property can be set on classes, ids or directly on the HTML element.

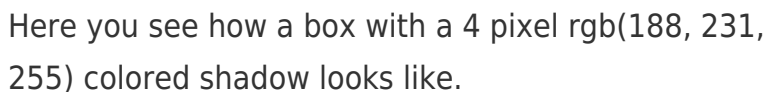
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 231, 255) }
```

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

```
.border{ border-color:rgb(188, 231, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 231, 255); box-shadow:4px 4px 4px 4px rgb(188, 231, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0632, 0.2717, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 231, 255) }
```

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

```
.background{ background-color: rgb(188,  
231, 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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