

Converting Colors

$Yxy(75.6958, 0.2723, 0.3038)$

Have a look what the booklet for
Yxy(75.6958, 0.2723, 0.3038)
contains.

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Color

Yxy(75.7520, 0.2723, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	BDE8FF
RGB	189, 232, 255
RGB Percent	74%, 91%, 100%
CMY	0.2591, 0.0901, 0.0001
CMYK	0.26, 0.09, 0.00, 0.00
HSL	201°, 100%, 87%
HSV	201°, 26%, 100%
XYZ	67.8752, 75.7520, 105.6390
YIQ	221.7650, -33.0110, -1.9630

Conversions

Conversions Part 2

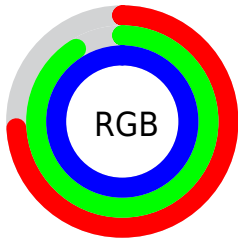
Format	Color
R_{YB}	189, 215, 255
Decimal	12445951
CIE _{Lab}	89.74, -8.88, -15.68
CIE _{LCh}	90, 18.015, 240.482
Yxy	75.7520, 0.2723, 0.3039
Android (android.graphics.Color)	4290636031 (0xFFBDE8FF)
YUV	221.7650, 16.3849, -28.7349
Hunter-Lab	87.0356, -13.1082, -11.0380

Details

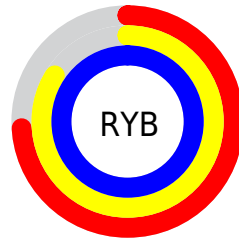
The Yxy color **75.7520, 0.2723, 0.3039** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9542, 0.3624, 0.3528**, and the grayscale version is **72.7633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **40.1962, 0.2632, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **67.9130, 0.2570, 0.2925**, and if you desaturate by 10%, it is **84.4218, 0.2879, 0.3143**.

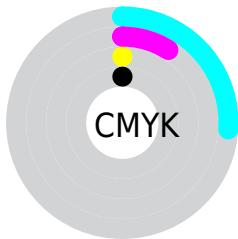
Distribution



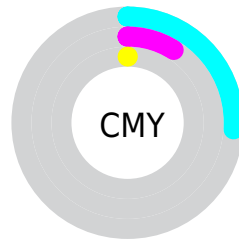
- Red (74%)
- Green (91%)
- Blue (100%)



- 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 75.7520, 0.2723, 0.3039 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 75.7520, 0.2723, 0.3039 by changing the saturation by 10% instead.

75.7520, 0.2723,
0.3039

75.7520, 0.2723,
0.3039

480.4983, 0.2906,
0.3156

56.2292, 0.2682,
0.3012

127.3763, 0.2786,
0.3080

40.3867, 0.2632,
0.2979

160.2465, 0.2810,
0.3096

27.8402, 0.2570,
0.2937

198.3347, 0.2832,
0.3109

18.2052, 0.2490,
0.2882

242.0252, 0.2850,
0.3121

11.0974, 0.2383,
0.2807

291.7024, 0.2867,
0.3131

6.1324, 0.2235,
0.2700

347.7507, 0.2881,

2.9258, 0.2017,

0.3141

0.2535

410.5546, 0.2894,
0.3149

■ 1.0931, 0.1667,
0.2253

■ 0.0000, 0.0000,
0.0000

■ 75.7520, 0.2723,
0.3039

■ 75.7520, 0.2723,
0.3039

■ 67.9130, 0.2570,
0.2925

■ 84.4218, 0.2879,
0.3143

■ 60.8620, 0.2425,
0.2804

■ 93.9446, 0.3036,
0.3238

■ 54.5656, 0.2291,
0.2675

■ 99.9991, 0.3127,
0.3290

■ 48.9835, 0.2172,
0.2542

■ 44.0708, 0.2071,
0.2407

■ 39.7756, 0.1991,
0.2272

■ 36.0340, 0.1933,
0.2140

■ 34.6267, 0.1913,
0.2086

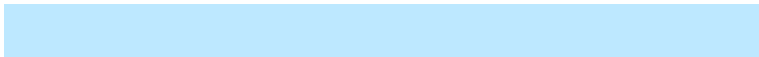
Harmonies

Analogous

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



75.7520, 0.2748, 0.3208



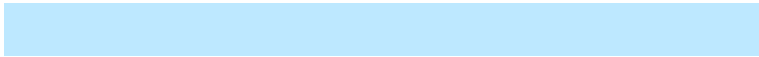
75.7520, 0.2723, 0.3039



75.7520, 0.2802, 0.2945

Triad

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



75.7520, 0.2723, 0.3039



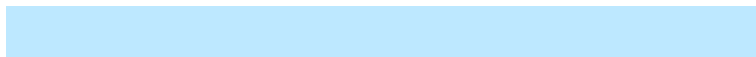
75.7520, 0.3385, 0.3171



75.7520, 0.3279, 0.3666

Complementary

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



75.7520, 0.2723, 0.3039



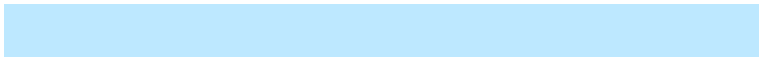
71.9542, 0.3624, 0.3528

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.



75.7520, 0.3457, 0.3641



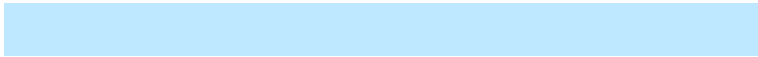
75.7520, 0.2723, 0.3039



75.7520, 0.3522, 0.3351

Square

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



75.7520, 0.2723, 0.3039



75.7520, 0.3180, 0.3023



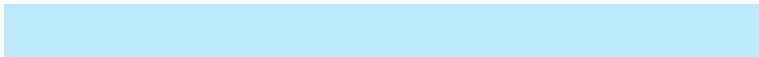
75.7520, 0.3548, 0.3523



75.7520, 0.3064, 0.3580

Rectangle

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



75.7520, 0.2723, 0.3039



75.7520, 0.2904, 0.2932



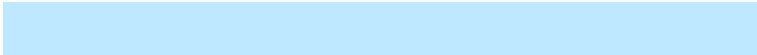
75.7520, 0.3548, 0.3523



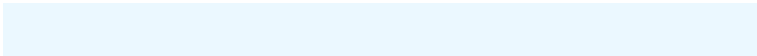
75.7520, 0.3345, 0.3669

Sweetspot

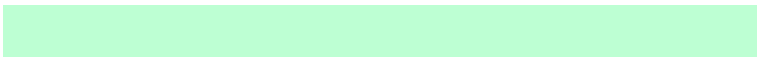
The Sweet Spot groups the original color and five complimentary colors.



75.7550, 0.2723, 0.3039



91.8939, 0.3003, 0.3219



87.0197, 0.2974, 0.3779



19.3563, 0.2980, 0.3205



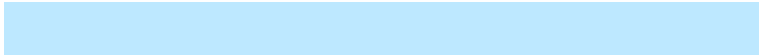
0.0000, 0.0000, 0.0000



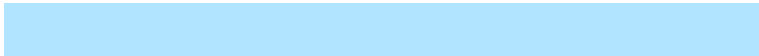
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7550, 0.2723, 0.3039



71.6717, 0.2645, 0.2982



59.3032, 0.2689, 0.2673



19.3563, 0.2980, 0.3205



18.3855, 0.1919, 0.2108



1.9947, 0.1961, 0.2258

Inverse Universe

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



63.4449, 0.3331, 0.2856



57.8663, 0.3382, 0.2768



89.6141, 0.3546, 0.3839



18.1868, 0.3192, 0.3136



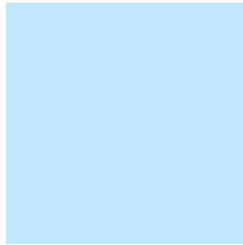
12.5840, 0.4333, 0.2160



1.2459, 0.4170, 0.2071

Previews

White Background



This preview shows how the Yxy color 75.7520, 0.2723, 0.3039 looks on a white background.

Color Contrast Check

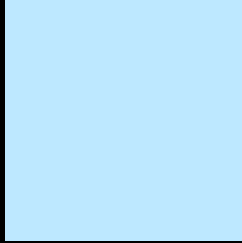
Large Text (above 18pt) WCAG AA × Fail

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 75.7520, 0.2723, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

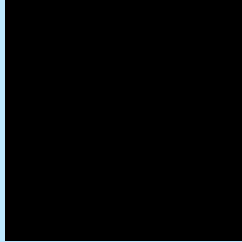
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

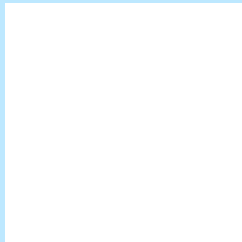
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7520, 0.2723, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 75.7520, 0.2723, 0.3039.

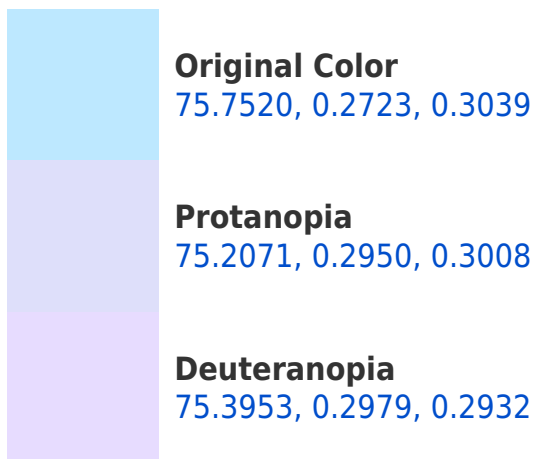


This preview shows how white text looks on a background with the Yxy color 75.7520, 0.2723, 0.3039.

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

75.9342, 0.2740, 0.3092

Trichromacy



Original Color

75.7520, 0.2723, 0.3039

Protanomaly

75.1226, 0.2862, 0.3013

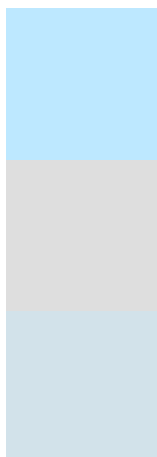
Deuteranomaly

75.1302, 0.2882, 0.2965

Tritanomaly

75.9975, 0.2735, 0.3081

Monochromacy



Original Color

75.7520, 0.2723, 0.3039

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.0349, 0.2969, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7520, 0.2723, 0.3039 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 232, 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(189, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.7520, 0.2723, 0.3039 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, 232, 255) }
```

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

```
.border{ border-color:rgb(189, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7520, 0.2723, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 232, 255) }
```

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

```
.background{ background-color: rgb(189,  
232, 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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