

Converting Colors

$Y_{xy}(75.5892, 0.2714, 0.3039)$

Have a look what the booklet for
Yxy(75.5892, 0.2714, 0.3039)
contains.

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Color

Yxy(75.4980, 0.2712, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	BBE8FF
RGB	187, 232, 255
RGB Percent	73%, 91%, 100%
CMY	0.2667, 0.0902, 0.0000
CMYK	0.27, 0.09, 0.00, 0.00
HSL	200°, 100%, 87%
HSV	200°, 27%, 100%
XYZ	67.3965, 75.4980, 105.6177
YIQ	221.1670, -34.2030, -2.3870

Conversions

Conversions Part 2

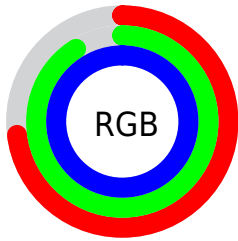
Format	Color
R_{YB}	187, 214, 255
Decimal	12314879
CIE _{Lab}	89.63, -9.42, -15.87
CIE _{LCh}	90, 18.452, 239.306
Yxy	75.4980, 0.2712, 0.3038
Android (android.graphics.Color)	4290504959 (0xFFBBE8FF)
YUV	221.1670, 16.6797, -29.9645
Hunter-Lab	86.8896, -13.6020, -11.2466

Details

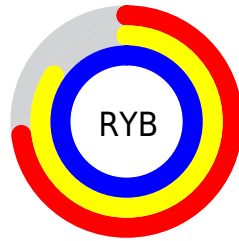
The Yxy color **75.4980, 0.2712, 0.3038** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9252, 0.3644, 0.3528**, and the grayscale version is **72.3287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **40.0334, 0.2618, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **67.8320, 0.2561, 0.2927**, and if you desaturate by 10%, it is **83.9789, 0.2868, 0.3140**.

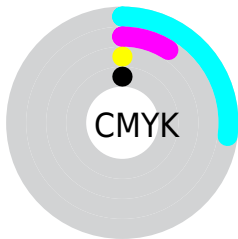
Distribution



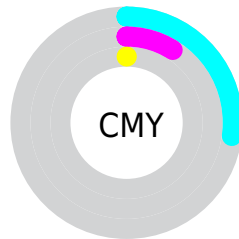
- Red (73%)
- Green (91%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4980, 0.2712, 0.3038 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 75.4980, 0.2712, 0.3038 by changing the saturation by 10% instead.

■ 75.4980, 0.2712,
0.3038

■ 75.4980, 0.2712,
0.3038

■ 479.6275, 0.2900,
0.3156

■ 56.0210, 0.2670,
0.3011

■ 127.0171, 0.2776,
0.3079

■ 40.2197, 0.2619,
0.2977

■ 159.8279, 0.2802,
0.3095

■ 27.7099, 0.2555,
0.2935

■ 197.8521, 0.2824,
0.3109

■ 18.1071, 0.2473,
0.2880

■ 241.4740, 0.2843,
0.3120

■ 11.0269, 0.2363,
0.2804

■ 291.0781, 0.2860,
0.3131

■ 6.0849, 0.2211,
0.2696

■ 347.0488, 0.2875,

■ 2.8968, 0.1987,

0.3140

0.2528

409.7705, 0.2888,
0.3148

1.0781, 0.1628,
0.2242

0.0000, 0.0000,
0.0000

75.4980, 0.2712,
0.3038

75.4980, 0.2712,
0.3038

67.8320, 0.2561,
0.2927

83.9789, 0.2868,
0.3140

60.9383, 0.2417,
0.2808

93.2970, 0.3024,
0.3233

54.7834, 0.2285,
0.2684

99.9993, 0.3127,
0.3290

49.3273, 0.2169,
0.2554

■ 44.5249, 0.2071,
0.2423

■ 40.3238, 0.1994,
0.2292

■ 36.6590, 0.1938,
0.2163

■ 35.5250, 0.1923,
0.2121

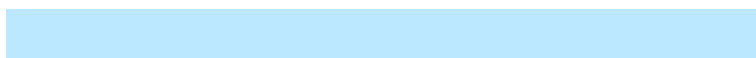
Harmonies

Analogous

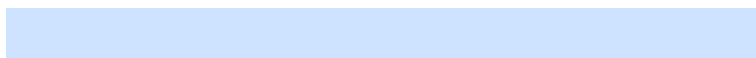
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4980, 0.2742, 0.3213



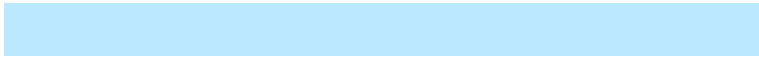
75.4980, 0.2712, 0.3038



75.4980, 0.2789, 0.2938

Triad

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



75.4980, 0.2712, 0.3038



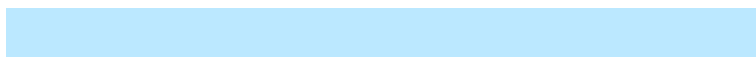
75.4980, 0.3385, 0.3161



75.4980, 0.3291, 0.3676

Complementary

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



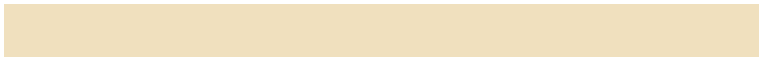
75.4980, 0.2712, 0.3038



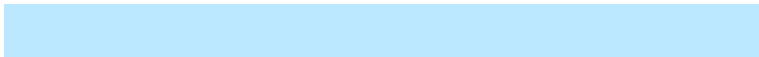
70.9252, 0.3644, 0.3528

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.



75.4980, 0.3471, 0.3647



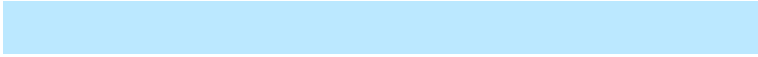
75.4980, 0.2712, 0.3038



75.4980, 0.3528, 0.3345

Square

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



75.4980, 0.2712, 0.3038



75.4980, 0.3173, 0.3012



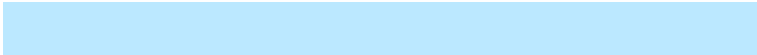
75.4980, 0.3560, 0.3522



75.4980, 0.3071, 0.3593

Rectangle

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



75.4980, 0.2712, 0.3038



75.4980, 0.2891, 0.2923



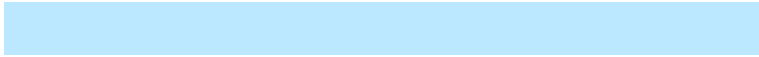
75.4980, 0.3560, 0.3522



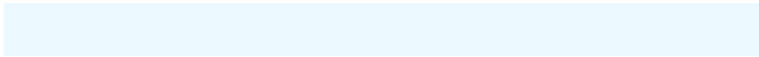
75.4980, 0.3358, 0.3679

Sweetspot

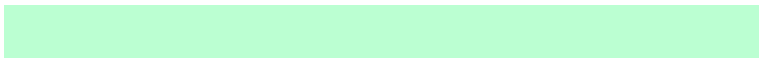
The Sweet Spot groups the original color and five complimentary colors.



75.5010, 0.2712, 0.3038



92.0138, 0.3003, 0.3221



86.7129, 0.2969, 0.3795



19.3866, 0.2980, 0.3208



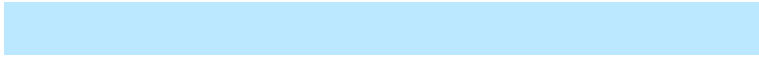
0.0000, 0.0000, 0.0000



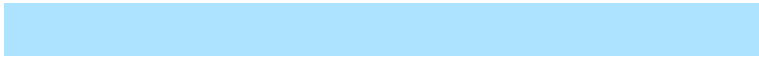
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5010, 0.2712, 0.3038



71.3192, 0.2631, 0.2980



58.3200, 0.2675, 0.2652



19.3866, 0.2980, 0.3208



18.8518, 0.1928, 0.2142



2.0378, 0.1969, 0.2288

Inverse Universe

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



62.6219, 0.3333, 0.2837



56.8702, 0.3385, 0.2743



89.3401, 0.3559, 0.3856



18.1899, 0.3190, 0.3134



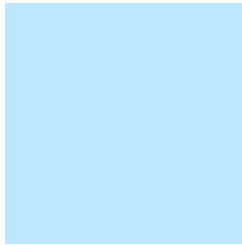
12.6311, 0.4295, 0.2140



1.2503, 0.4139, 0.2054

Previews

White Background



This preview shows how the Yxy color 75.4980, 0.2712, 0.3038 looks on a white background.

Color Contrast Check

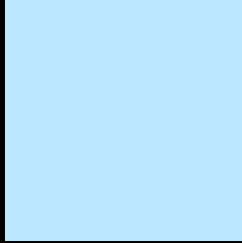
Large Text (above 18pt) WCAG AA × Fail

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 75.4980, 0.2712, 0.3038 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

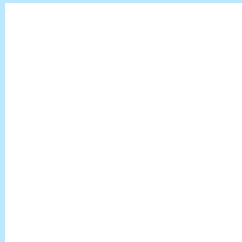
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4980, 0.2712, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 75.4980, 0.2712, 0.3038.

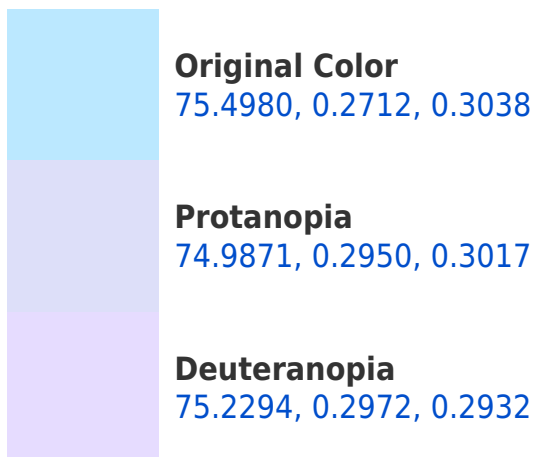


This preview shows how white text looks on a background with the Yxy color 75.4980, 0.2712, 0.3038.

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

75.6820, 0.2728, 0.3091

Trichromacy



Original Color

75.4980, 0.2712, 0.3038

Protanomaly

74.9131, 0.2861, 0.3023

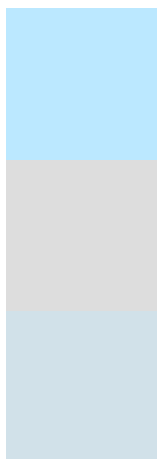
Deuteranomaly

74.8275, 0.2869, 0.2963

Tritanomaly

75.7452, 0.2723, 0.3080

Monochromacy



Original Color

75.4980, 0.2712, 0.3038

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 75.4980, 0.2712, 0.3038 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(187, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.4980, 0.2712, 0.3038 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(187, 232, 255) }
```

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

```
.border{ border-color:rgb(187, 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(187, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4980, 0.2712, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 232, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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