

Converting Colors

$Yxy(77.6588, 0.2312, 0.2136)$

Have a look what the booklet for
Yxy(77.6588, 0.2312, 0.2136)
contains.

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Color

Yxy(70.0093, 0.2724, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	BFDDFF
RGB	191, 221, 255
RGB Percent	75%, 87%, 100%
CMY	0.2508, 0.1334, 0.0000
CMYK	0.25, 0.13, 0.00, 0.00
HSL	212°, 100%, 87%
HSV	212°, 25%, 100%
XYZ	65.3996, 70.0093, 104.6778
YIQ	215.9060, -28.7940, 4.2140

Conversions

Conversions Part 2

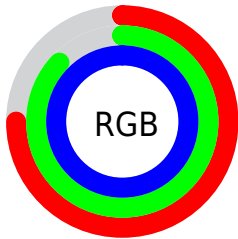
Format	Color
R _Y B	191, 211, 255
Decimal	12574207
CIE Lab	87.00, -2.55, -19.80
CIE LCh	87, 19.967, 262.649
Yxy	70.0093, 0.2724, 0.2916
Android (android.graphics.Color)	4290764287 (0xFFBFDDFF)
YUV	215.9060, 19.2733, -21.8426
Hunter-Lab	83.6716, -6.9055, -15.6050

Details

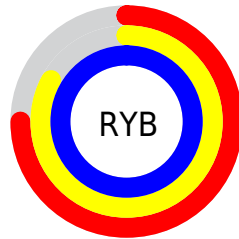
The Yxy color **70.0093, 0.2724, 0.2916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.8975, 0.3576, 0.3637**, and the grayscale version is **68.4887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **36.5839, 0.2629, 0.2830** is the 20% darker color. If you saturate the color by 10%, you get **60.1154, 0.2556, 0.2739**, and if you desaturate by 10%, it is **81.0617, 0.2889, 0.3077**.

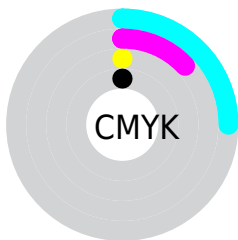
Distribution



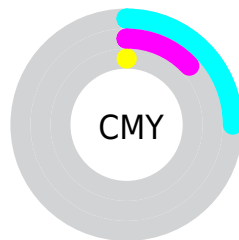
- Red (75%)
- Green (87%)
- Blue (100%)



- Red (75%)
- Yellow (83%)
- Blue (100%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0093, 0.2724, 0.2916 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 70.0093, 0.2724, 0.2916 by changing the saturation by 10% instead.

70.0093, 0.2724,
0.2916

70.0093, 0.2724,
0.2916

460.5827, 0.2910,
0.3090

51.5341, 0.2682,
0.2876

119.2220, 0.2788,
0.2976

36.6339, 0.2630,
0.2828

150.7283, 0.2813,
0.3000

24.9241, 0.2565,
0.2766

187.3472, 0.2835,
0.3020

16.0205, 0.2481,
0.2686

229.4629, 0.2853,
0.3037

9.5387, 0.2368,
0.2577

277.4599, 0.2870,
0.3053

5.0942, 0.2209,
0.2423

331.7226, 0.2885,

2.3026, 0.1971,

0.3066

0.2189

392.6354, 0.2898,
0.3079

0.7751, 0.1564,
0.1798

0.0000, 0.0000,
0.0000

70.0093, 0.2724,
0.2916

70.0093, 0.2724,
0.2916

60.1154, 0.2556,
0.2739

81.0617, 0.2889,
0.3077

51.3294, 0.2390,
0.2548

93.3062, 0.3049,
0.3222

43.6070, 0.2230,
0.2346

100.0000, 0.3127,
0.3290

36.8978, 0.2082,
0.2137

■ 31.1457, 0.1952,
0.1927

■ 26.2875, 0.1846,
0.1722

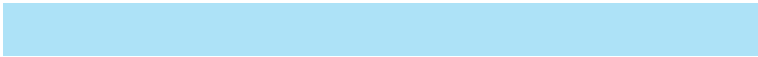
■ 22.2482, 0.1765,
0.1529

■ 20.5160, 0.1733,
0.1440

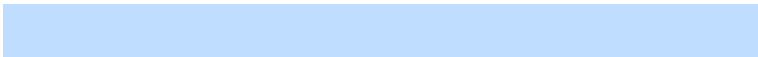
Harmonies

Analogous

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



70.0093, 0.2665, 0.3047



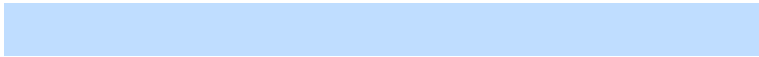
70.0093, 0.2724, 0.2916



70.0093, 0.2888, 0.2886

Triad

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



70.0093, 0.2724, 0.2916



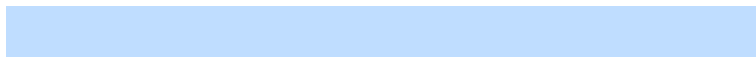
70.0093, 0.3547, 0.3303



70.0093, 0.3118, 0.3659

Complementary

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



70.0093, 0.2724, 0.2916



78.8975, 0.3576, 0.3637

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.



70.0093, 0.3358, 0.3723



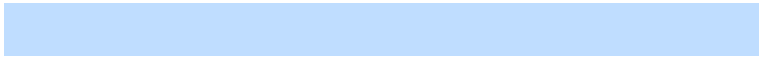
70.0093, 0.2724, 0.2916



70.0093, 0.3612, 0.3506

Square

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



70.0093, 0.2724, 0.2916



70.0093, 0.3365, 0.3106



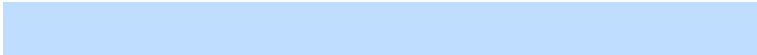
70.0093, 0.3541, 0.3662



70.0093, 0.2887, 0.3483

Rectangle

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



70.0093, 0.2724, 0.2916



70.0093, 0.3039, 0.2922



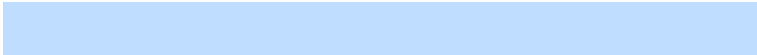
70.0093, 0.3541, 0.3662



70.0093, 0.3200, 0.3695

Sweetspot

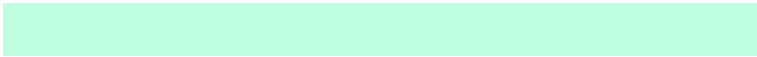
The Sweet Spot groups the original color and five complimentary colors.



70.0117, 0.2724, 0.2916



89.6084, 0.3003, 0.3182



87.9879, 0.2916, 0.3628



18.7804, 0.2979, 0.3160



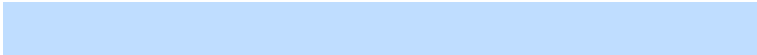
0.0000, 0.0000, 0.0000



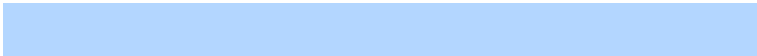
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0117, 0.2724, 0.2916



65.0039, 0.2642, 0.2831



55.7188, 0.2701, 0.2574



18.7804, 0.2979, 0.3160



11.0129, 0.1742, 0.1470



1.2887, 0.1801, 0.1683

Inverse Universe

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



63.7588, 0.3415, 0.2986



58.1720, 0.3489, 0.2923



96.3417, 0.3500, 0.3921



18.1287, 0.3220, 0.3179



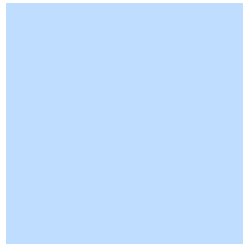
11.8397, 0.5099, 0.2582



1.1746, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 70.0093, 0.2724, 0.2916 looks on a white background.

Color Contrast Check

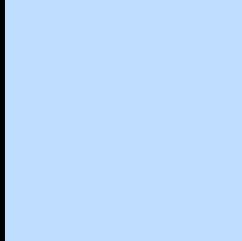
Large Text (above 18pt) WCAG AA × Fail

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 70.0093, 0.2724, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

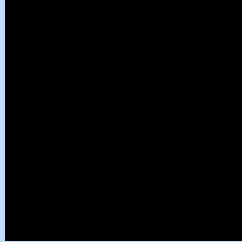
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

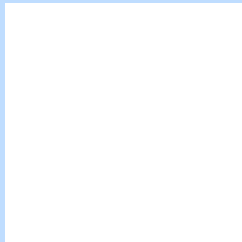
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0093, 0.2724, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 70.0093, 0.2724, 0.2916.

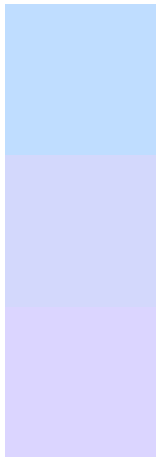


This preview shows how white text looks on a background with the Yxy color 70.0093, 0.2724, 0.2916.

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

70.0093, 0.2724, 0.2916

Protanopia

69.9889, 0.2863, 0.2905

Deuteranopia

69.8686, 0.2897, 0.2849



Tritanopia

69.8176, 0.2785, 0.3087

Trichromacy



Original Color

70.0093, 0.2724, 0.2916

Protanomaly

70.0720, 0.2813, 0.2912

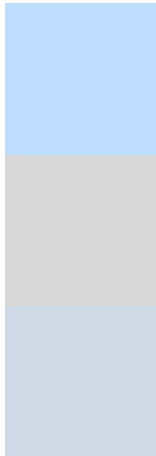
Deuteranomaly

69.8870, 0.2832, 0.2873

Tritanomaly

69.7152, 0.2762, 0.3021

Monochromacy



Original Color

70.0093, 0.2724, 0.2916

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.1214, 0.2972, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0093, 0.2724, 0.2916 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(191, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 221, 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(191, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0093, 0.2724, 0.2916 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(191, 221, 255) }
```

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

```
.border{ border-color:rgb(191, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0093, 0.2724, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 221, 255) }
```

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

```
.background{ background-color: rgb(191,  
221, 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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