

Converting Colors

$Yxy(80.2016, 0.2513, 0.2425)$

Have a look what the booklet for
Yxy(80.2016, 0.2513, 0.2425)
contains.

Yxy(75.4236, 0.2826, 0.2992)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.4236, 0.2826, 0.2992)

Conversions

Conversions Part 1

Format	Color
Hex	CFE3FF
RGB	207, 227, 255
RGB Percent	81%, 89%, 100%
CMY	0.1885, 0.1097, 0.0000
CMYK	0.19, 0.11, 0.00, 0.00
HSL	215°, 100%, 91%
HSV	215°, 19%, 100%
XYZ	71.2390, 75.4236, 105.4216
YIQ	224.2120, -20.9080, 4.4680

Conversions

Conversions Part 2

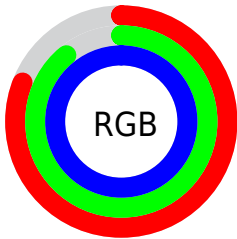
Format	Color
R _Y B	207, 221, 255
Decimal	13624319
CIE Lab	89.59, -0.95, -15.80
CIE LCh	90, 15.833, 266.553
Yxy	75.4236, 0.2826, 0.2992
Android (android.graphics.Color)	4291814399 (0xFFCFE3FF)
YUV	224.2120, 15.1785, -15.0949
Hunter-Lab	86.8468, -5.5612, -11.1783

Details

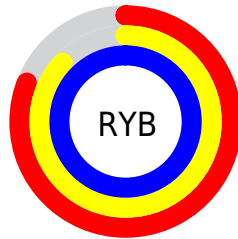
The Yxy color **75.4236, 0.2826, 0.2992** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.1299, 0.3447, 0.3571**, and the grayscale version is **74.5954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2577, 0.2759, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **64.2720, 0.2656, 0.2808**, and if you desaturate by 10%, it is **87.8728, 0.2990, 0.3158**.

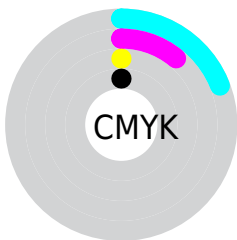
Distribution



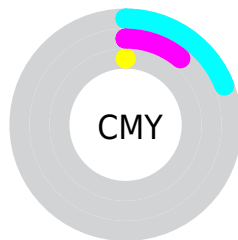
- Red (81%)
- Green (89%)
- Blue (100%)



- Red (81%)
- Yellow (87%)
- Blue (100%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4236, 0.2826, 0.2992 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 75.4236, 0.2826, 0.2992 by changing the saturation by 10% instead.

■ 75.4236, 0.2826,
0.2992

■ 75.4236, 0.2826,
0.2992

479.3723, 0.2963,
0.3128

■ 55.9600, 0.2795,
0.2961

126.9118, 0.2873,
0.3039

■ 40.1708, 0.2757,
0.2923

159.7052, 0.2892,
0.3057

■ 27.6718, 0.2710,
0.2876

197.7106, 0.2908,
0.3073

■ 18.0784, 0.2648,
0.2815

241.3125, 0.2922,
0.3087

■ 11.0063, 0.2566,
0.2732

290.8952, 0.2934,
0.3099

■ 6.0711, 0.2450,
0.2616

346.8431, 0.2945,

■ 2.8883, 0.2276,

0.3110

0.2440

409.5407, 0.2955,
0.3120

■ 1.0737, 0.1990,
0.2149

■ 0.0000, 0.0000,
0.0000

■ 75.4236, 0.2826,
0.2992

■ 75.4236, 0.2826,
0.2992

■ 64.2720, 0.2656,
0.2808

■ 87.8728, 0.2990,
0.3158

■ 54.3653, 0.2484,
0.2607

100.0000, 0.3127,
0.3290

■ 45.6568, 0.2313,
0.2392

■ 38.0935, 0.2150,
0.2166

■ 31.6182, 0.2001,
0.1936

■ 26.1669, 0.1873,
0.1711

■ 21.6668, 0.1771,
0.1497

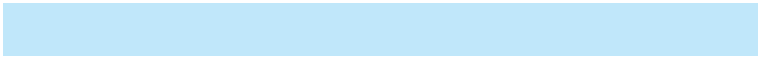
■ 18.0207, 0.1697,
0.1303

■ 17.6436, 0.1689,
0.1281

Harmonies

Analogous

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



75.4236, 0.2768, 0.3086



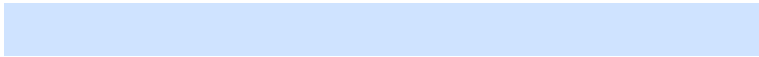
75.4236, 0.2826, 0.2992



75.4236, 0.2964, 0.2977

Triad

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



75.4236, 0.2826, 0.2992



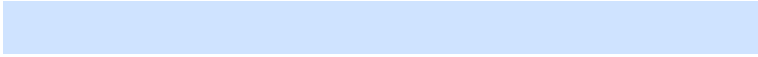
75.4236, 0.3463, 0.3324



75.4236, 0.3097, 0.3559

Complementary

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



75.4236, 0.2826, 0.2992



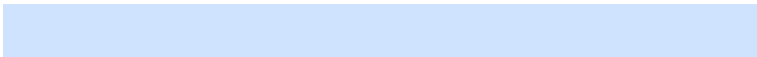
85.1299, 0.3447, 0.3571

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.



75.4236, 0.3285, 0.3622



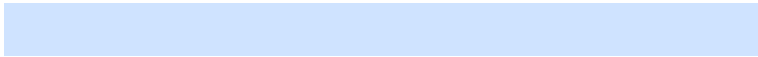
75.4236, 0.2826, 0.2992



75.4236, 0.3500, 0.3479

Square

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



75.4236, 0.2826, 0.2992



75.4236, 0.3333, 0.3166



75.4236, 0.3434, 0.3590



75.4236, 0.2921, 0.3417

Rectangle

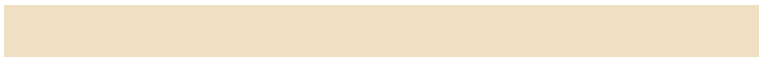
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4236, 0.2826, 0.2992



75.4236, 0.3085, 0.3012



75.4236, 0.3434, 0.3590



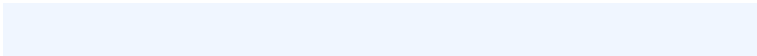
75.4236, 0.3161, 0.3590

Sweetspot

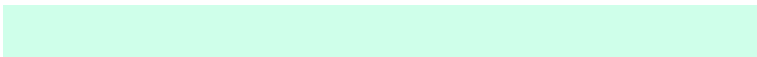
The Sweet Spot groups the original color and five complimentary colors.



75.4258, 0.2826, 0.2992



91.6613, 0.3035, 0.3202



90.7266, 0.2953, 0.3509



19.4313, 0.3024, 0.3192



0.0000, 0.0000, 0.0000



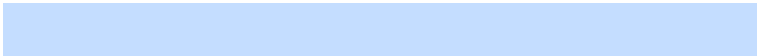
21.4041, 0.3127, 0.3290

Same Dimension

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



75.4258, 0.2826, 0.2992



70.6410, 0.2756, 0.2918



65.5369, 0.2835, 0.2774



18.6250, 0.2979, 0.3148



9.4981, 0.1698, 0.1312



1.1348, 0.1759, 0.1533

Inverse Universe

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



71.4019, 0.3348, 0.3088



66.1109, 0.3409, 0.3041



96.6792, 0.3391, 0.3764



18.1130, 0.3228, 0.3191



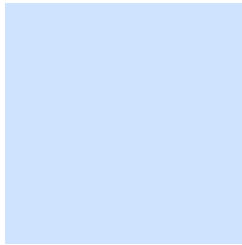
11.6868, 0.5311, 0.2699



1.1591, 0.5016, 0.2537

Previews

White Background



This preview shows how the Yxy color 75.4236, 0.2826, 0.2992 looks on a white background.

Color Contrast Check

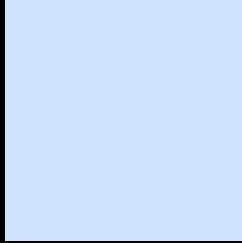
Large Text (above 18pt) WCAG AA × Fail

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 75.4236, 0.2826, 0.2992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

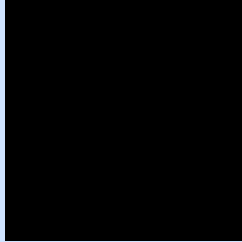
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

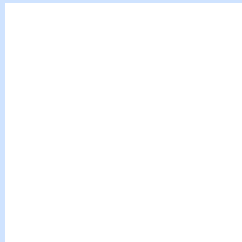
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4236, 0.2826, 0.2992

Background



This preview shows how black text looks on a background with the Yxy color 75.4236, 0.2826, 0.2992.



This preview shows how white text looks on a background with the Yxy color 75.4236, 0.2826, 0.2992.

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

75.4236, 0.2826, 0.2992

Protanopia

75.2394, 0.2926, 0.2977

Deuteranopia

75.3953, 0.2979, 0.2932



Tritanopia

75.1813, 0.2860, 0.3085

Trichromacy



Original Color

75.4236, 0.2826, 0.2992

Protanomaly

75.0660, 0.2887, 0.2975

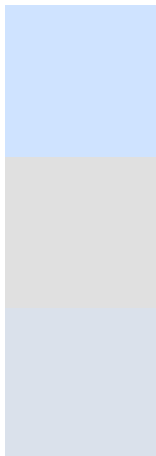
Deuteranomaly

75.5249, 0.2920, 0.2958

Tritanomaly

75.5107, 0.2849, 0.3054

Monochromacy



Original Color

75.4236, 0.2826, 0.2992

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.7540, 0.3016, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4236, 0.2826, 0.2992 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(207, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 227, 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(207, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.4236, 0.2826, 0.2992 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(207, 227, 255) }
```

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

```
.border{ border-color:rgb(207, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4236, 0.2826, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 255) }
```

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

```
.background{ background-color: rgb(207,  
227, 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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