

Converting Colors

$Yxy(75.9521, 0.2809, 0.3168)$

Have a look what the booklet for
Yxy(75.9521, 0.2809, 0.3168)
contains.

Yxy(76.1469, 0.2807, 0.3168)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.1469, 0.2807, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	C1E9F4
RGB	193, 233, 244
RGB Percent	76%, 91%, 96%
CMY	0.2430, 0.0863, 0.0431
CMYK	0.21, 0.05, 0.00, 0.04
HSL	193°, 70%, 86%
HSV	193°, 21%, 96%
XYZ	67.4698, 76.1469, 96.7460
YIQ	222.2940, -27.3710, -5.0590

Conversions

Conversions Part 2

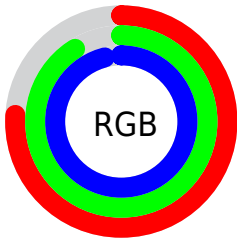
Format	Color
R _Y B	193, 215, 244
Decimal	12708340
CIE Lab	89.93, -10.56, -9.64
CIE LCh	90, 14.297, 222.400
Yxy	76.1469, 0.2807, 0.3168
Android (android.graphics.Color)	4290898420 (0xFFC1E9F4)
YUV	222.2940, 10.7011, -25.6908
Hunter-Lab	87.2622, -14.6953, -4.6502

Details

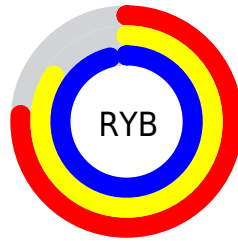
The Yxy color **76.1469, 0.2807, 0.3168** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3069, 0.3524, 0.3409**, and the grayscale version is **73.2101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **40.5641, 0.2736, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **70.2583, 0.2661, 0.3102**, and if you desaturate by 10%, it is **82.6603, 0.2959, 0.3229**.

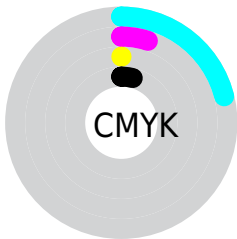
Distribution



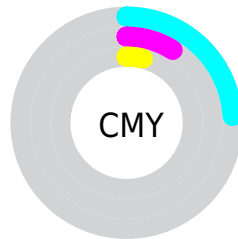
- Red (76%)
- Green (91%)
- Blue (96%)



- Red (76%)
- Yellow (84%)
- Blue (96%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (24%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1469, 0.2807, 0.3168 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 76.1469, 0.2807, 0.3168 by changing the saturation by 10% instead.

76.1469, 0.2807,
0.3168

76.1469, 0.2807,
0.3168

481.8504, 0.2952,
0.3226

56.5530, 0.2774,
0.3155

127.9345, 0.2857,
0.3188

40.6464, 0.2734,
0.3138

160.8970, 0.2877,
0.3196

28.0429, 0.2684,
0.3116

199.0845, 0.2893,
0.3203

18.3580, 0.2620,
0.3088

242.8814, 0.2908,
0.3209

11.2073, 0.2533,
0.3049

292.6720, 0.2921,
0.3214

6.2065, 0.2412,
0.2991

348.8408, 0.2933,

2.9710, 0.2229,

0.3218

0.2899

411.7721, 0.2943,
0.3222

■ 1.1166, 0.1925,
0.2732

■ 0.0000, 0.0000,
0.0000

■ 76.1469, 0.2807,
0.3168

■ 76.1469, 0.2807,
0.3168

■ 70.2583, 0.2661,
0.3102

■ 82.6603, 0.2959,
0.3229

■ 64.9584, 0.2524,
0.3030

■ 89.8140, 0.3113,
0.3285

■ 60.2216, 0.2400,
0.2955

■ 95.4389, 0.3195,
0.3337

■ 56.0160, 0.2291,
0.2877

■ 98.7450, 0.3191,
0.3387

■ 52.3065, 0.2201,
0.2797

■ 99.3130, 0.3191,
0.3395

■ 49.0525, 0.2130,
0.2717

■ 46.2061, 0.2078,
0.2637

■ 43.8981, 0.2046,
0.2565

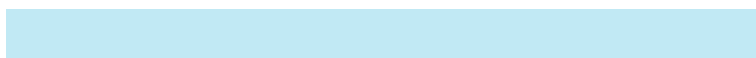
Harmonies

Analogous

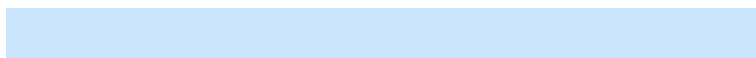
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1469, 0.2876, 0.3322



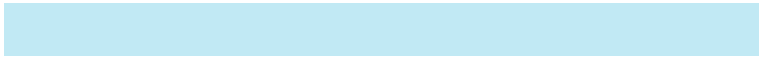
76.1469, 0.2807, 0.3168



76.1469, 0.2821, 0.3053

Triad

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



76.1469, 0.2807, 0.3168



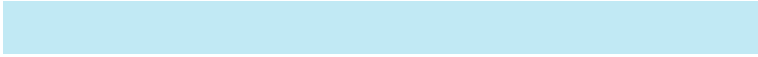
76.1469, 0.3238, 0.3119



76.1469, 0.3340, 0.3585

Complementary

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



76.1469, 0.2807, 0.3168



66.3069, 0.3524, 0.3409

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.



76.1469, 0.3442, 0.3520



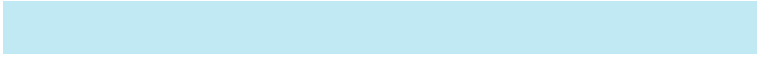
76.1469, 0.2807, 0.3168



76.1469, 0.3383, 0.3252

Square

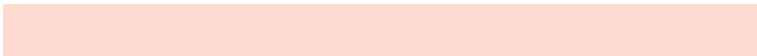
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



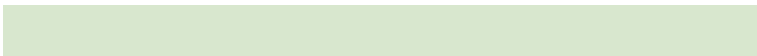
76.1469, 0.2807, 0.3168



76.1469, 0.3066, 0.3030



76.1469, 0.3459, 0.3398



76.1469, 0.3181, 0.3569

Rectangle

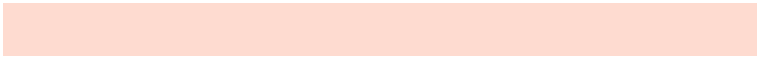
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



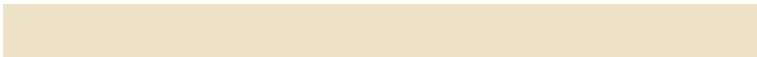
76.1469, 0.2807, 0.3168



76.1469, 0.2875, 0.3013



76.1469, 0.3459, 0.3398



76.1469, 0.3382, 0.3572

Sweetspot

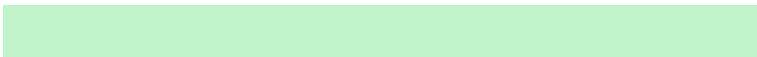
The Sweet Spot groups the original color and five complimentary colors.



76.1500, 0.2807, 0.3168



95.1193, 0.3034, 0.3257



80.3803, 0.3041, 0.3751



20.2491, 0.3024, 0.3254



0.0000, 0.0000, 0.0000



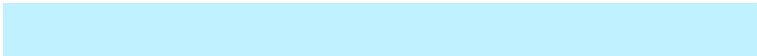
21.4041, 0.3127, 0.3290

Same Dimension

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



76.1500, 0.2807, 0.3168



81.3639, 0.2745, 0.3141



63.1506, 0.2788, 0.2887



18.1138, 0.2980, 0.3238



24.0735, 0.2049, 0.2578



2.2633, 0.2077, 0.2677

Inverse Universe

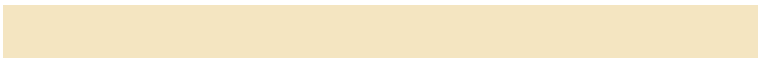
The Inverse Universe completely reimagines the original color for something new.



63.2773, 0.3233, 0.2877



64.9942, 0.3258, 0.2792



78.9768, 0.3473, 0.3662



16.7033, 0.3171, 0.3106



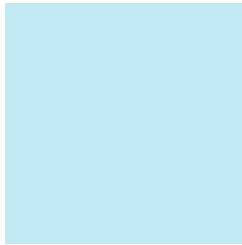
12.5296, 0.3846, 0.1892



1.1161, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 76.1469, 0.2807, 0.3168 looks on a white background.

Color Contrast Check

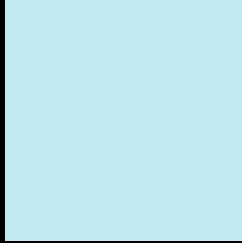
Large Text (above 18pt) WCAG AA × Fail

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 76.1469, 0.2807, 0.3168 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 76.1469, 0.2807, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 76.1469, 0.2807, 0.3168.

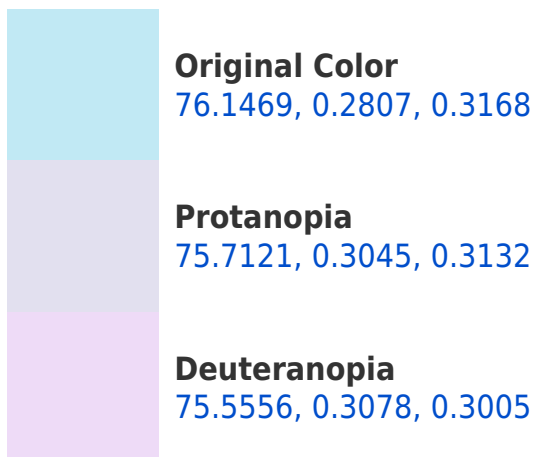


This preview shows how white text looks on a background with the Yxy color 76.1469, 0.2807, 0.3168.

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

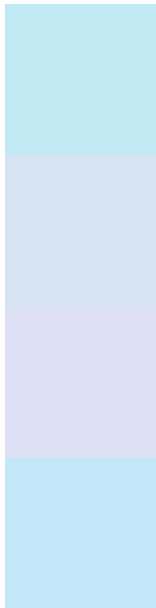




Tritanopia

76.0847, 0.2779, 0.3093

Trichromacy



Original Color

76.1469, 0.2807, 0.3168

Protanomaly

75.5852, 0.2953, 0.3140

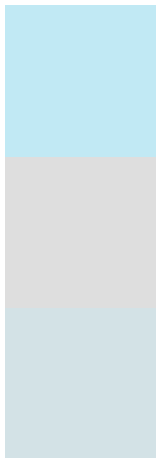
Deuteranomaly

75.4947, 0.2975, 0.3059

Tritanomaly

75.9599, 0.2790, 0.3115

Monochromacy



Original Color

76.1469, 0.2807, 0.3168

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.9548, 0.3000, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1469, 0.2807, 0.3168 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(193, 233, 244)` looks like.

```
.text, #text, p{  
    color:rgb(193, 233, 244)  
}
```

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(193, 233, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 233, 244) }
```

Border

The CSS property to change the border of an element to Yxy 76.1469, 0.2807, 0.3168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

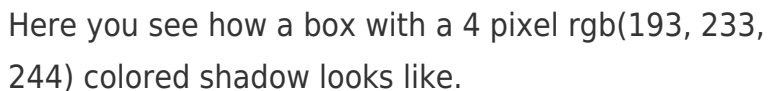
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 233, 244) }
```

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

```
.border{ border-color:rgb(193, 233, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 233, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 233, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 233, 244); box-shadow:4px 4px 4px 4px rgb(193, 233, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1469, 0.2807, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 233, 244) }
```

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

```
.background{ background-color: rgb(193,  
233, 244) }
```

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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