

Converting Colors

Yxy(76.7860, 0.2819, 0.3190)

Have a look what the booklet for
Yxy(76.7860, 0.2819, 0.3190)
contains.

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Color

Yxy(76.7860, 0.2819, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	C2EAF3
RGB	194, 234, 243
RGB Percent	76%, 92%, 95%
CMY	0.2391, 0.0824, 0.0469
CMYK	0.20, 0.04, 0.00, 0.05
HSL	191°, 67%, 86%
HSV	191°, 20%, 95%
XYZ	67.8557, 76.7860, 96.0667
YIQ	223.0660, -26.7290, -5.6810

Conversions

Conversions Part 2

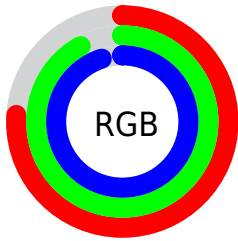
Format	Color
RYB	194, 216, 243
Decimal	12774131
CIELab	90.22, -10.98, -8.68
CIELCh	90, 13.999, 218.320
Yxy	76.7860, 0.2819, 0.3190
Android (android.graphics.Color)	4290964211 (0xFFC2EAF3)
YUV	223.0660, 9.8275, -25.4909
Hunter-Lab	87.6276, -15.1243, -3.6607

Details

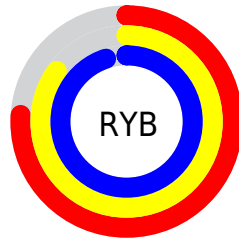
The Yxy color **76.7860, 0.2819, 0.3190** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6959, 0.3511, 0.3388**, and the grayscale version is **73.7894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **41.0041, 0.2752, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **71.3119, 0.2675, 0.3134**, and if you desaturate by 10%, it is **82.8568, 0.2970, 0.3242**.

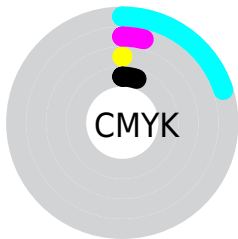
Distribution



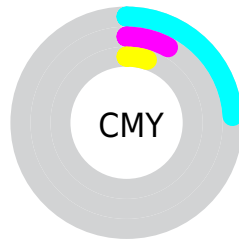
- Red (76%)
- Green (92%)
- Blue (95%)



- Red (76%)
- Yellow (85%)
- Blue (95%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (24%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7860, 0.2819, 0.3190 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 76.7860, 0.2819, 0.3190 by changing the saturation by 10% instead.

■ 76.7860, 0.2819,
0.3190

■ 76.7860, 0.2819,
0.3190

■ 484.0341, 0.2959,
0.3238

■ 57.0773, 0.2788,
0.3179

■ 128.8374, 0.2867,
0.3207

■ 41.0673, 0.2749,
0.3165

■ 161.9488, 0.2886,
0.3213

■ 28.3717, 0.2701,
0.3147

■ 200.2965, 0.2902,
0.3219

■ 18.6060, 0.2639,
0.3124

■ 244.2650, 0.2916,
0.3223

■ 11.3859, 0.2556,
0.3091

■ 294.2386, 0.2929,
0.3228

■ 6.3270, 0.2440,
0.3043

■ 350.6017, 0.2940,

■ 3.0450, 0.2264,

0.3231

0.2965

413.7387, 0.2950,
0.3235

■ 1.1552, 0.1973,
0.2822

■ 0.0247, 0.0000,
0.0375

■ 76.7860, 0.2819,
0.3190

■ 76.7860, 0.2819,
0.3190

■ 71.3119, 0.2675,
0.3134

■ 82.8568, 0.2970,
0.3242

■ 66.3992, 0.2540,
0.3074

■ 89.5391, 0.3125,
0.3289

■ 62.0227, 0.2418,
0.3011

■ 94.5259, 0.3202,
0.3333

■ 58.1518, 0.2313,
0.2945

■ 97.3066, 0.3199,
0.3376

■ 54.7519, 0.2225,
0.2878

■ 99.2533, 0.3197,
0.3405

■ 51.7840, 0.2157,
0.2810

■ 49.2013, 0.2109,
0.2743

■ 46.9619, 0.2077,
0.2678

Harmonies

Analogous

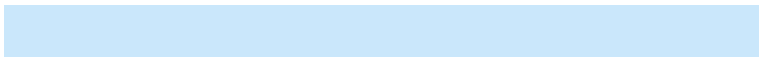
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7860, 0.2897, 0.3342



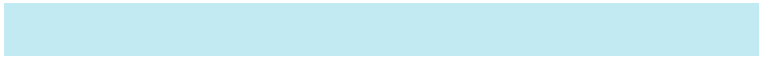
76.7860, 0.2819, 0.3190



76.7860, 0.2821, 0.3071

Triad

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



76.7860, 0.2819, 0.3190



76.7860, 0.3213, 0.3108



76.7860, 0.3352, 0.3574

Complementary

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



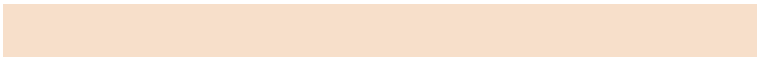
76.7860, 0.2819, 0.3190



65.6959, 0.3511, 0.3388

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.



76.7860, 0.3442, 0.3501



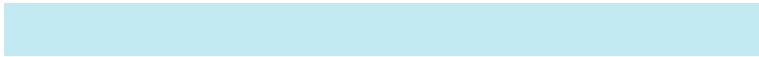
76.7860, 0.2819, 0.3190



76.7860, 0.3361, 0.3234

Square

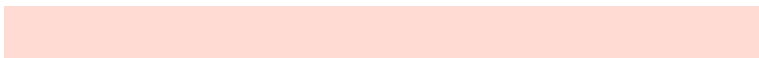
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7860, 0.2819, 0.3190



76.7860, 0.3045, 0.3028



76.7860, 0.3446, 0.3376



76.7860, 0.3203, 0.3569

Rectangle

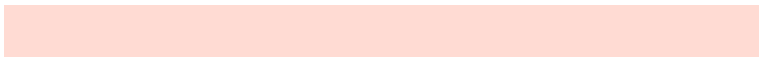
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7860, 0.2819, 0.3190



76.7860, 0.2867, 0.3025



76.7860, 0.3446, 0.3376



76.7860, 0.3391, 0.3558

Sweetspot

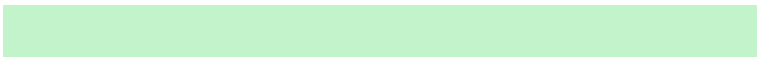
The Sweet Spot groups the original color and five complimentary colors.



76.7891, 0.2819, 0.3190



95.4258, 0.3034, 0.3262



79.9069, 0.3049, 0.3743



20.3218, 0.3024, 0.3259



0.0000, 0.0000, 0.0000



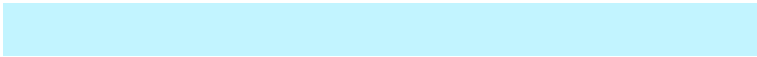
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7891, 0.2819, 0.3190



83.1925, 0.2762, 0.3169



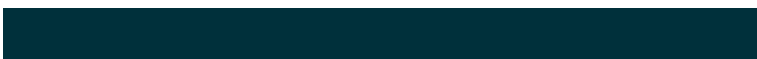
63.8115, 0.2801, 0.2913



18.2077, 0.2980, 0.3245



25.9506, 0.2080, 0.2689



2.4126, 0.2103, 0.2772

Inverse Universe

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



63.5930, 0.3217, 0.2876



66.2689, 0.3237, 0.2794



78.1769, 0.3461, 0.3641



16.7128, 0.3166, 0.3099



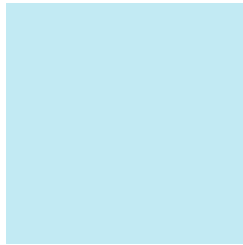
12.7191, 0.3739, 0.1833



1.1312, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 76.7860, 0.2819, 0.3190 looks on a white background.

Color Contrast Check

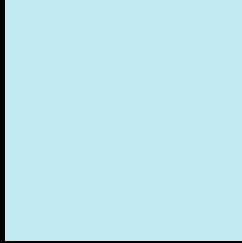
Large Text (above 18pt) WCAG AA × Fail

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 76.7860, 0.2819, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

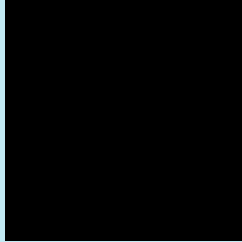
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7860, 0.2819, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 76.7860, 0.2819, 0.3190.

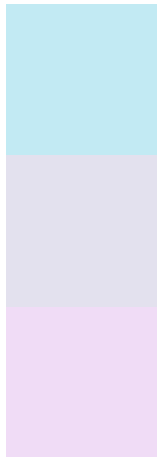


This preview shows how white text looks on a background with the Yxy color 76.7860, 0.2819, 0.3190.

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

76.7860, 0.2819, 0.3190

Protanopia

76.3544, 0.3058, 0.3154

Deuteranopia

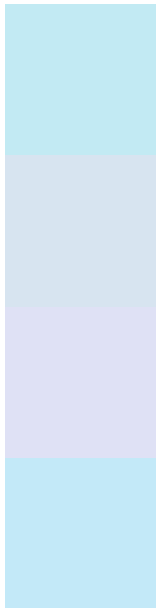
76.3655, 0.3098, 0.3026



Tritanopia

76.9786, 0.2786, 0.3094

Trichromacy



Original Color

76.7860, 0.2819, 0.3190

Protanomaly

76.2251, 0.2965, 0.3162

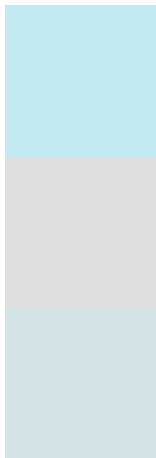
Deuteranomaly

76.1310, 0.2987, 0.3080

Tritanomaly

76.6572, 0.2797, 0.3126

Monochromacy



Original Color

76.7860, 0.2819, 0.3190

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6484, 0.3006, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7860, 0.2819, 0.3190 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(194, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(194, 234, 243)  
}
```

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(194, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 234, 243) }
```

Border

The CSS property to change the border of an element to Yxy 76.7860, 0.2819, 0.3190 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(194, 234, 243) }
```

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

```
.border{ border-color:rgb(194, 234, 243) }
```

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

Here you see how a box with a 4 pixel rgb(194, 234, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(194, 234,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7860, 0.2819, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 234, 243) }
```

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

```
.background{ background-color: rgb(194,  
234, 243) }
```

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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