

Converting Colors

$Yxy(76.5389, 0.2944, 0.3123)$

Have a look what the booklet for
Yxy(76.5389, 0.2944, 0.3123)
contains.

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Color

Yxy(76.4655, 0.2941, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	D7E4F4
RGB	215, 228, 244
RGB Percent	84%, 89%, 96%
CMY	0.1572, 0.1058, 0.0432
CMYK	0.12, 0.07, 0.00, 0.04
HSL	213°, 57%, 90%
HSV	213°, 12%, 96%
XYZ	72.0785, 76.4655, 96.5377
YIQ	225.9370, -12.8840, 2.2200

Conversions

Conversions Part 2

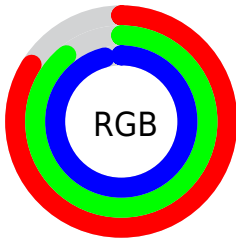
Format	Color
R _Y B	215, 224, 244
Decimal	14148852
CIE Lab	90.08, -1.26, -9.25
CIE LCh	90, 9.334, 262.236
Yxy	76.4655, 0.2941, 0.3120
Android (android.graphics.Color)	4292338932 (0xFFD7E4F4)
YUV	225.9370, 8.9051, -9.5917
Hunter-Lab	87.4446, -5.8945, -4.2442

Details

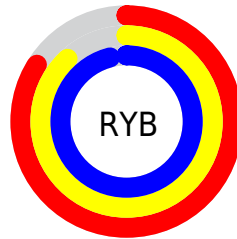
The Yxy color **76.4655, 0.2941, 0.3120** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.2216, 0.3322, 0.3454**, and the grayscale version is **75.9404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9916, 0.2897, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **65.9578, 0.2777, 0.2959**, and if you desaturate by 10%, it is **88.1018, 0.3098, 0.3264**.

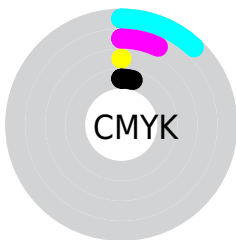
Distribution



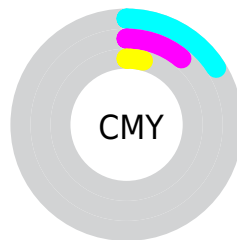
- Red (84%)
- Green (89%)
- Blue (96%)



- Red (84%)
- Yellow (88%)
- Blue (96%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4655, 0.2941, 0.3120 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 76.4655, 0.2941, 0.3120 by changing the saturation by 10% instead.

■ 76.4655, 0.2941,
0.3120

■ 76.4655, 0.2941,
0.3120

482.9397, 0.3026,
0.3198

■ 56.8143, 0.2922,
0.3102

128.3847, 0.2970,
0.3147

■ 40.8562, 0.2898,
0.3081

161.4215, 0.2982,
0.3157

■ 28.2067, 0.2869,
0.3053

199.6889, 0.2992,
0.3167

■ 18.4815, 0.2830,
0.3017

243.5714, 0.3000,
0.3174

■ 11.2963, 0.2778,
0.2969

293.4533, 0.3008,
0.3181

■ 6.2665, 0.2705,
0.2901

349.7191, 0.3015,

■ 3.0078, 0.2592,

0.3188

0.2795

412.7531, 0.3021,
0.3193

■ 1.1358, 0.2401,
0.2613

■ 0.0083, 0.0000,
0.0125

■ 76.4655, 0.2941,
0.3120

■ 76.4655, 0.2941,
0.3120

■ 65.9578, 0.2777,
0.2959

■ 88.1018, 0.3098,
0.3264

■ 56.5318, 0.2609,
0.2781

■ 99.2001, 0.3191,
0.3394

■ 48.1514, 0.2440,
0.2589

■ 99.3109, 0.3191,
0.3396

■ 40.7743, 0.2275,
0.2383

■ 34.3550, 0.2121,
0.2169

■ 28.8435, 0.1982,
0.1952

■ 24.1838, 0.1865,
0.1740

■ 20.3110, 0.1775,
0.1539

■ 17.6816, 0.1719,
0.1388

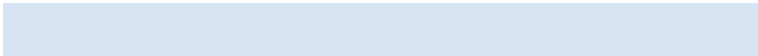
Harmonies

Analogous

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



76.4655, 0.2914, 0.3183



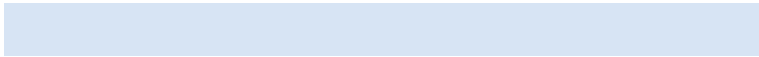
76.4655, 0.2941, 0.3120



76.4655, 0.3018, 0.3102

Triad

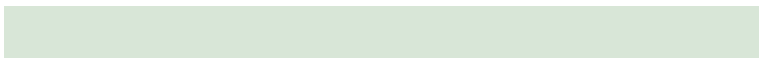
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4655, 0.2941, 0.3120



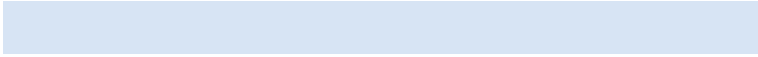
76.4655, 0.3316, 0.3298



76.4655, 0.3127, 0.3454

Complementary

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



76.4655, 0.2941, 0.3120



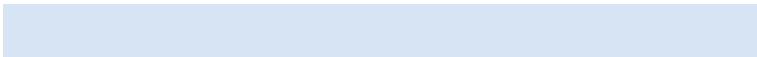
81.2216, 0.3322, 0.3454

Split Complementary

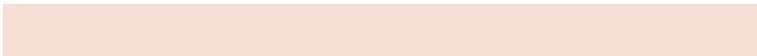
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4655, 0.3235, 0.3484



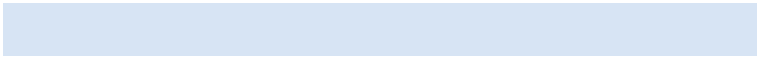
76.4655, 0.2941, 0.3120



76.4655, 0.3346, 0.3391

Square

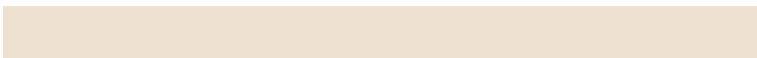
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4655, 0.2941, 0.3120



76.4655, 0.3234, 0.3204



76.4655, 0.3316, 0.3460



76.4655, 0.3020, 0.3378

Rectangle

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



76.4655, 0.2941, 0.3120



76.4655, 0.3087, 0.3118



76.4655, 0.3316, 0.3460



76.4655, 0.3164, 0.3470

Sweetspot

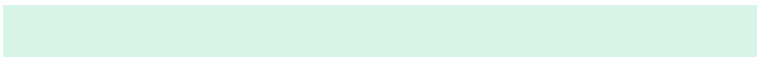
The Sweet Spot groups the original color and five complimentary colors.



76.4687, 0.2941, 0.3120



94.5944, 0.3066, 0.3235



84.8672, 0.3022, 0.3433



20.0344, 0.3054, 0.3225



0.0000, 0.0000, 0.0000



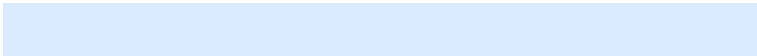
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4687, 0.2941, 0.3120



81.9693, 0.2907, 0.3087



69.6767, 0.2945, 0.2978



17.1570, 0.2980, 0.3157



9.8798, 0.1727, 0.1417



1.0706, 0.1793, 0.1656

Inverse Universe

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



73.3969, 0.3250, 0.3156



78.1007, 0.3275, 0.3131



88.6549, 0.3299, 0.3585



16.6067, 0.3223, 0.3184



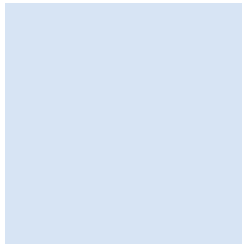
11.0967, 0.5169, 0.2621



0.9957, 0.4861, 0.2452

Previews

White Background



This preview shows how the Yxy color 76.4655, 0.2941, 0.3120 looks on a white background.

Color Contrast Check

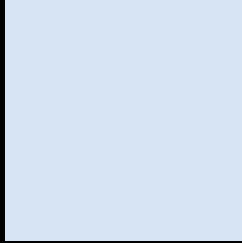
Large Text (above 18pt) WCAG AA × Fail

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 76.4655, 0.2941, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

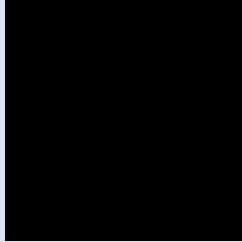
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

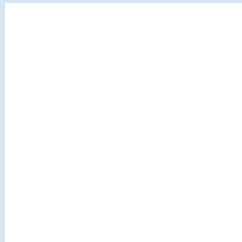
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4655, 0.2941, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 76.4655, 0.2941, 0.3120.

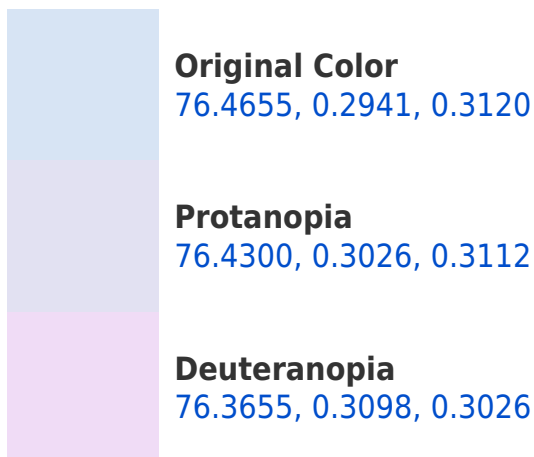


This preview shows how white text looks on a background with the Yxy color 76.4655, 0.2941, 0.3120.

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

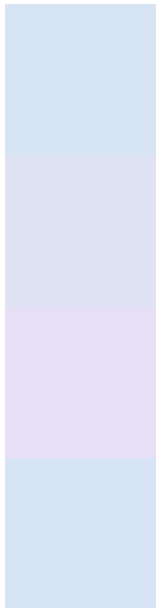




Tritanopia

76.5877, 0.2930, 0.3099

Trichromacy



Original Color

76.4655, 0.2941, 0.3120

Protanomaly

76.3934, 0.2993, 0.3111

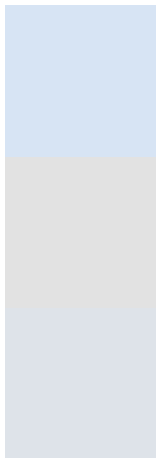
Deuteranomaly

76.3568, 0.3041, 0.3063

Tritanomaly

76.5265, 0.2935, 0.3109

Monochromacy



Original Color

76.4655, 0.2941, 0.3120

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3510, 0.3055, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4655, 0.2941, 0.3120 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(215, 228, 244)` looks like.

```
.text, #text, p{  
    color:rgb(215, 228, 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(215, 228, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 228, 244) }
```

Border

The CSS property to change the border of an element to Yxy 76.4655, 0.2941, 0.3120 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(215, 228, 244) }
```

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

```
.border{ border-color:rgb(215, 228, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 228, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 228, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 228, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 228,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4655, 0.2941, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 228, 244) }
```

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

```
.background{ background-color: rgb(215,  
228, 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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