

Converting Colors

$Yxy(78.6620, 0.2971, 0.3232)$

Have a look what the booklet for
Yxy(78.6620, 0.2971, 0.3232)
contains.

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Color

Yxy(78.7470, 0.2971, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	D6E9EE
RGB	214, 233, 238
RGB Percent	84%, 91%, 93%
CMY	0.1609, 0.0862, 0.0665
CMYK	0.10, 0.02, 0.00, 0.07
HSL	193°, 41%, 89%
HSV	193°, 10%, 93%
XYZ	72.2983, 78.7470, 92.3014
YIQ	227.8890, -12.9290, -2.4730

Conversions

Conversions Part 2

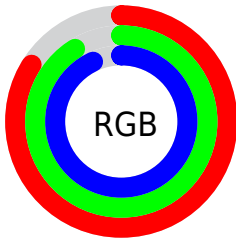
Format	Color
RYB	214, 225, 238
Decimal	14084590
CIELab	91.12, -5.30, -4.59
CIELCh	91, 7.015, 220.916
Yxy	78.7470, 0.2971, 0.3236
Android (android.graphics.Color)	4292274670 (0xFFD6E9EE)
YUV	227.8890, 4.9847, -12.1807
Hunter-Lab	88.7395, -9.8657, 0.4478

Details

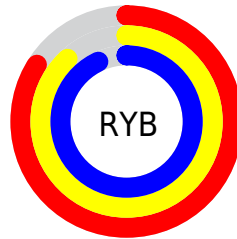
The Yxy color **78.7470, 0.2971, 0.3236** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.6902, 0.3300, 0.3343**, and the grayscale version is **77.4667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1926, 0.2936, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **72.6558, 0.2819, 0.3177**, and if you desaturate by 10%, it is **85.4472, 0.3125, 0.3289**.

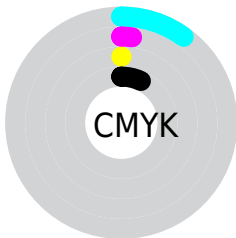
Distribution



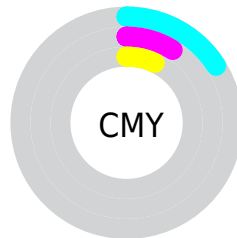
- Red (84%)
- Green (91%)
- Blue (93%)



- Red (84%)
- Yellow (88%)
- Blue (93%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7470, 0.2971, 0.3236 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 78.7470, 0.2971, 0.3236 by changing the saturation by 10% instead.

■ 78.7470, 0.2971,
0.3236

■ 78.7470, 0.2971,
0.3236

490.7000, 0.3042,
0.3261

■ 58.6878, 0.2955,
0.3230

131.6026, 0.2995,
0.3245

■ 42.3619, 0.2936,
0.3223

165.1679, 0.3005,
0.3248

■ 29.3847, 0.2911,
0.3214

204.0039, 0.3013,
0.3251

■ 19.3721, 0.2879,
0.3202

248.4951, 0.3020,
0.3254

■ 11.9394, 0.2837,
0.3186

299.0260, 0.3027,
0.3256

■ 6.7024, 0.2776,
0.3162

355.9808, 0.3032,

■ 3.2767, 0.2685,

0.3258

0.3125

419.7440, 0.3037,
0.3260

■ 1.2779, 0.2529,
0.3059

■ 0.1240, 0.0000,
0.2137

■ 78.7470, 0.2971,
0.3236

■ 78.7470, 0.2971,
0.3236

■ 72.6558, 0.2819,
0.3177

■ 85.4472, 0.3125,
0.3289

■ 67.1405, 0.2674,
0.3114

■ 91.5008, 0.3236,
0.3338

■ 62.1794, 0.2537,
0.3046

■ 94.5116, 0.3232,
0.3386

■ 57.7455, 0.2412,
0.2974

■ 97.6033, 0.3228,
0.3433

■ 53.8095, 0.2303,
0.2899

■ 98.9549, 0.3226,
0.3454

■ 50.3385, 0.2212,
0.2823

■ 47.2951, 0.2141,
0.2745

■ 44.6348, 0.2089,
0.2669

■ 42.3073, 0.2054,
0.2594

Harmonies

Analogous

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



78.7470, 0.3007, 0.3310



78.7470, 0.2971, 0.3236



78.7470, 0.2976, 0.3178

Triad

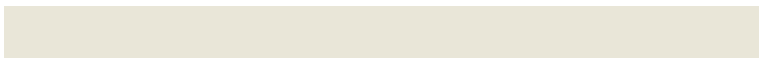
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7470, 0.2971, 0.3236



78.7470, 0.3178, 0.3203



78.7470, 0.3234, 0.3432

Complementary

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



78.7470, 0.2971, 0.3236



73.6902, 0.3300, 0.3343

Split Complementary

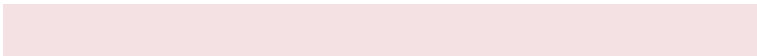
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7470, 0.3281, 0.3401



78.7470, 0.2971, 0.3236



78.7470, 0.3248, 0.3269

Square

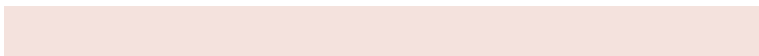
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7470, 0.2971, 0.3236



78.7470, 0.3094, 0.3160



78.7470, 0.3286, 0.3341



78.7470, 0.3159, 0.3425

Rectangle

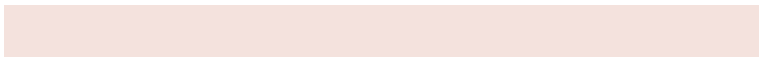
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



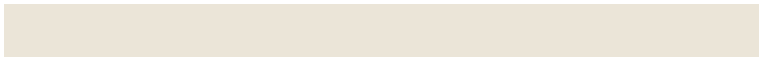
78.7470, 0.2971, 0.3236



78.7470, 0.3002, 0.3156



78.7470, 0.3286, 0.3341



78.7470, 0.3254, 0.3426

Sweetspot

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



78.7503, 0.2971, 0.3236



97.5641, 0.3081, 0.3275



80.5610, 0.3086, 0.3498



20.7458, 0.3068, 0.3270



0.0000, 0.0000, 0.0000



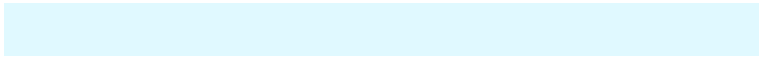
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7503, 0.2971, 0.3236



90.6468, 0.2941, 0.3225



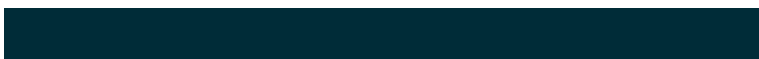
72.2757, 0.2970, 0.3108



17.3365, 0.2981, 0.3240



23.7891, 0.2057, 0.2606



2.1178, 0.2085, 0.2706

Inverse Universe

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



72.1412, 0.3173, 0.3092



81.6023, 0.3182, 0.3054



80.0821, 0.3286, 0.3466



15.9716, 0.3170, 0.3105



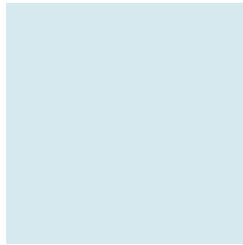
12.1949, 0.3819, 0.1877



1.0285, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 78.7470, 0.2971, 0.3236 looks on a white background.

Color Contrast Check

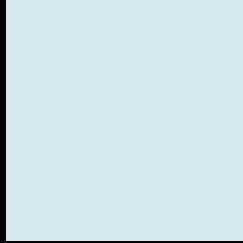
Large Text (above 18pt) WCAG AA × Fail

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 78.7470, 0.2971, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

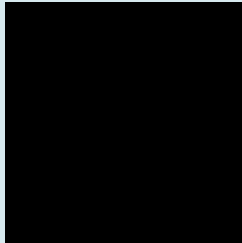
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

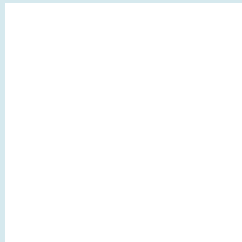
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7470, 0.2971, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 78.7470, 0.2971, 0.3236.

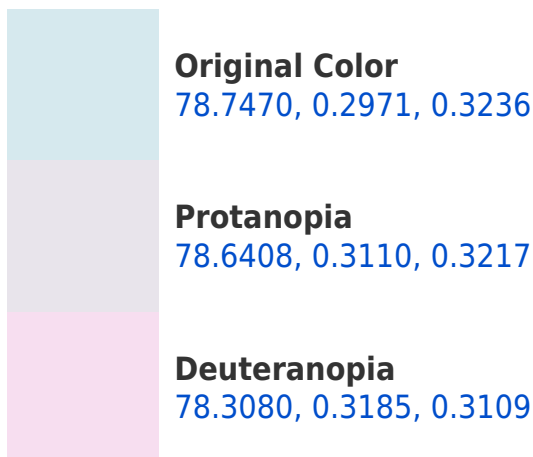


This preview shows how white text looks on a background with the Yxy color 78.7470, 0.2971, 0.3236.

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

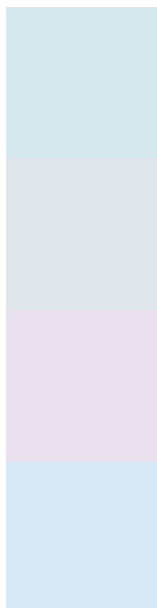




Tritanopia

78.6529, 0.2913, 0.3090

Trichromacy



Original Color

78.7470, 0.2971, 0.3236

Protanomaly

78.6573, 0.3056, 0.3227

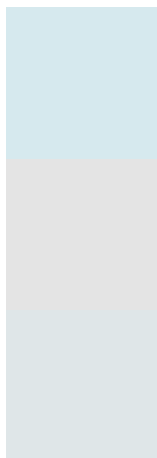
Deuteranomaly

78.2869, 0.3106, 0.3156

Tritanomaly

78.8141, 0.2931, 0.3142

Monochromacy



Original Color

78.7470, 0.2971, 0.3236

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.1078, 0.3067, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7470, 0.2971, 0.3236 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(214, 233, 238)` looks like.

```
.text, #text, p{  
    color:rgb(214, 233, 238)  
}
```

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(214, 233, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 233, 238) }
```

Border

The CSS property to change the border of an element to Yxy 78.7470, 0.2971, 0.3236 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(214, 233, 238) }
```

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

```
.border{ border-color:rgb(214, 233, 238) }
```

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

Here you see how a box with a 4 pixel rgb(214, 233, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 233, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 233, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 233,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7470, 0.2971, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 233, 238) }
```

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

```
.background{ background-color: rgb(214,  
233, 238) }
```

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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