

Converting Colors

$Yxy(77.1235, 0.2997, 0.3194)$

Have a look what the booklet for
Yxy(77.1235, 0.2997, 0.3194)
contains.

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Color

Yxy(77.1171, 0.2997, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	DAE5EE
RGB	218, 229, 238
RGB Percent	85%, 90%, 93%
CMY	0.1452, 0.1019, 0.0666
CMYK	0.08, 0.04, 0.00, 0.07
HSL	207°, 37%, 89%
HSV	207°, 8%, 93%
XYZ	72.3607, 77.1171, 91.9659
YIQ	226.7370, -9.4450, 0.4670

Conversions

Conversions Part 2

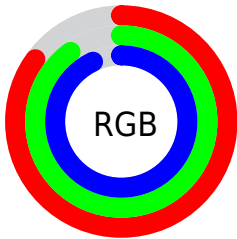
Format	Color
R _Y B	218, 225, 238
Decimal	14345710
CIE Lab	90.38, -1.96, -5.65
CIE LCh	90, 5.979, 250.845
Yxy	77.1171, 0.2997, 0.3194
Android (android.graphics.Color)	4292535790 (0xFFDAE5EE)
YUV	226.7370, 5.5527, -7.6623
Hunter-Lab	87.8163, -6.5946, -0.6202

Details

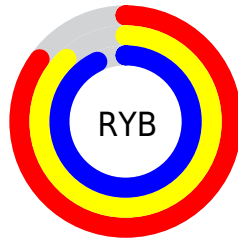
The Yxy color `77.1171, 0.2997, 0.3194` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78.1636, 0.3264, 0.3384`, and the grayscale version is `76.5788, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.4360, 0.2968, 0.3179` is the 20% darker color. If you saturate the color by 10%, you get `67.9757, 0.2838, 0.3068`, and if you desaturate by 10%, it is `87.1562, 0.3151, 0.3307`.

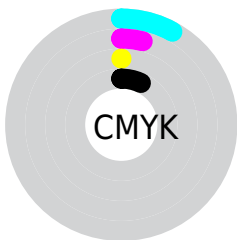
Distribution



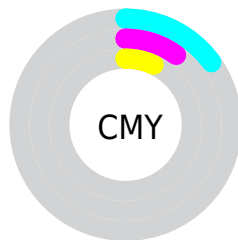
- Red (85%)
- Green (90%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1171, 0.2997, 0.3194 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 77.1171, 0.2997, 0.3194 by changing the saturation by 10% instead.

■ 77.1171, 0.2997,
0.3194

■ 77.1171, 0.2997,
0.3194

485.1632, 0.3056,
0.3238

■ 57.3490, 0.2984,
0.3184

129.3048, 0.3017,
0.3209

■ 41.2855, 0.2967,
0.3172

162.4931, 0.3026,
0.3215

■ 28.5422, 0.2946,
0.3156

200.9237, 0.3032,
0.3220

■ 18.7348, 0.2919,
0.3136

244.9808, 0.3038,
0.3225

■ 11.4788, 0.2883,
0.3108

295.0489, 0.3044,
0.3229

■ 6.3899, 0.2831,
0.3068

351.5124, 0.3048,

■ 3.0836, 0.2752,

0.3232

0.3007

414.7557, 0.3053,
0.3235

■ 1.1755, 0.2615,
0.2899

■ 0.0416, 0.0000,
0.0863

■ 77.1171, 0.2997,
0.3194

■ 77.1171, 0.2997,
0.3194

■ 67.9757, 0.2838,
0.3068

■ 87.1562, 0.3151,
0.3307

■ 59.6934, 0.2677,
0.2929

■ 96.0487, 0.3230,
0.3410

■ 52.2428, 0.2517,
0.2778

■ 98.9536, 0.3226,
0.3454

■ 45.5911, 0.2363,
0.2616

■ 39.7030, 0.2218,
0.2445

■ 34.5396, 0.2088,
0.2269

■ 30.0575, 0.1977,
0.2092

■ 26.2065, 0.1889,
0.1919

■ 22.9179, 0.1822,
0.1752

Harmonies

Analogous

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



77.1171, 0.2993, 0.3244



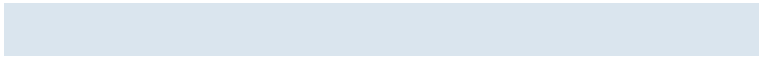
77.1171, 0.2997, 0.3194



77.1171, 0.3036, 0.3170

Triad

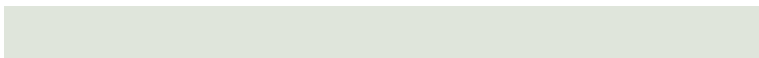
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1171, 0.2997, 0.3194



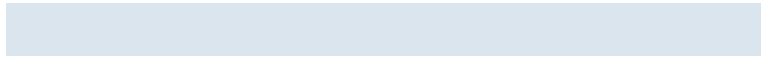
77.1171, 0.3231, 0.3272



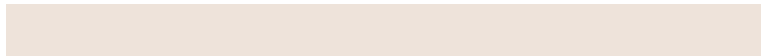
77.1171, 0.3155, 0.3405

Complementary

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



77.1171, 0.2997, 0.3194



78.1636, 0.3264, 0.3384

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.



77.1171, 0.3219, 0.3412



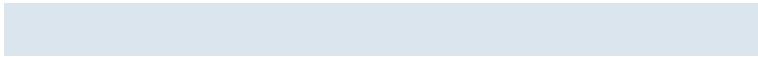
77.1171, 0.2997, 0.3194



77.1171, 0.3263, 0.3334

Square

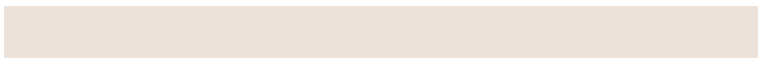
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



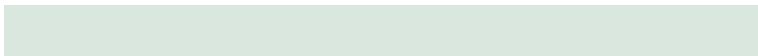
77.1171, 0.2997, 0.3194



77.1171, 0.3170, 0.3215



77.1171, 0.3259, 0.3385



77.1171, 0.3083, 0.3367

Rectangle

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



77.1171, 0.2997, 0.3194



77.1171, 0.3076, 0.3172



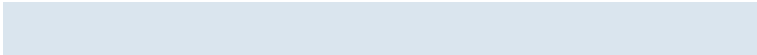
77.1171, 0.3259, 0.3385



77.1171, 0.3178, 0.3411

Sweetspot

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



77.1203, 0.2997, 0.3194



96.4051, 0.3081, 0.3257



81.5833, 0.3065, 0.3411



20.4325, 0.3069, 0.3248



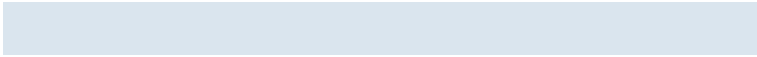
0.0000, 0.0000, 0.0000



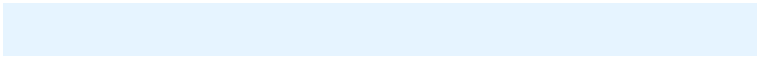
21.4041, 0.3127, 0.3290

Same Dimension

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



77.1203, 0.2997, 0.3194



88.3892, 0.2972, 0.3175



71.9015, 0.2997, 0.3089



16.6723, 0.2980, 0.3181



12.7776, 0.1820, 0.1752



1.2614, 0.1881, 0.1971

Inverse Universe

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



73.9672, 0.3197, 0.3176



84.0799, 0.3212, 0.3153



83.6189, 0.3254, 0.3483



15.9046, 0.3207, 0.3161



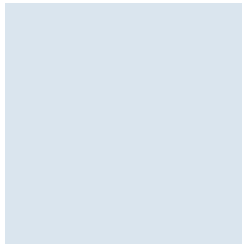
11.0833, 0.4744, 0.2387



0.9421, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 77.1171, 0.2997, 0.3194 looks on a white background.

Color Contrast Check

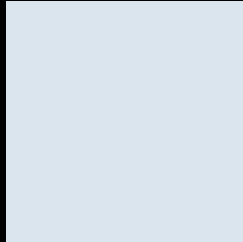
Large Text (above 18pt) WCAG AA × Fail

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 77.1171, 0.2997, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

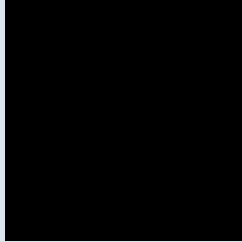
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

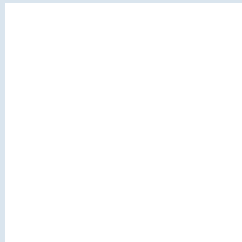
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1171, 0.2997, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 77.1171, 0.2997, 0.3194.

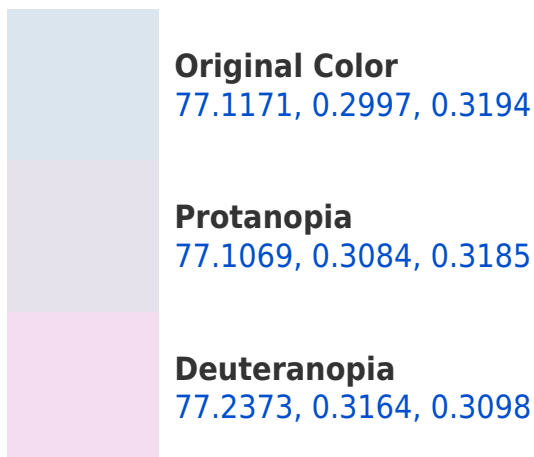


This preview shows how white text looks on a background with the Yxy color 77.1171, 0.2997, 0.3194.

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

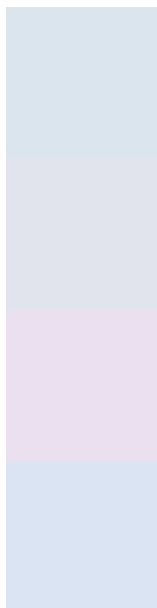




Tritanopia

77.2007, 0.2955, 0.3100

Trichromacy



Original Color

77.1171, 0.2997, 0.3194

Protanomaly

77.0601, 0.3050, 0.3185

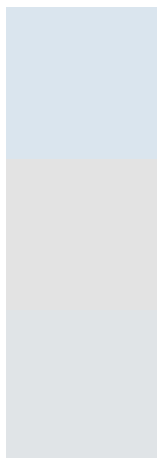
Deuteranomaly

77.2055, 0.3107, 0.3135

Tritanomaly

77.0179, 0.2973, 0.3131

Monochromacy



Original Color

77.1171, 0.2997, 0.3194

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.1036, 0.3081, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1171, 0.2997, 0.3194 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(218, 229, 238)` looks like.

```
.text, #text, p{  
    color:rgb(218, 229, 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(218, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 229, 238) }
```

Border

The CSS property to change the border of an element to Yxy 77.1171, 0.2997, 0.3194 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(218, 229, 238) }
```

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

```
.border{ border-color:rgb(218, 229, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 229, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 229, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 229, 238); box-shadow:4px 4px 4px 4px rgb(218, 229, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1171, 0.2997, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 229, 238) }
```

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

```
.background{ background-color: rgb(218,  
229, 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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