

Converting Colors

$Yxy(78.4343, 0.3075, 0.3220)$

Have a look what the booklet for
Yxy(78.4343, 0.3075, 0.3220)
contains.

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Color

Yxy(78.4256, 0.3069, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	E3E5EC
RGB	227, 229, 236
RGB Percent	89%, 90%, 93%
CMY	0.1101, 0.1018, 0.0746
CMYK	0.04, 0.03, 0.00, 0.07
HSL	226°, 19%, 91%
HSV	226°, 4%, 93%
XYZ	74.8176, 78.4256, 90.5417
YIQ	229.2000, -3.4390, 1.7530

Conversions

Conversions Part 2

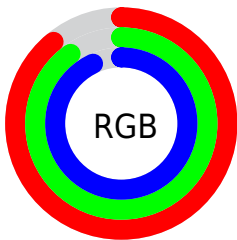
Format	Color
R _Y B	227, 229, 236
Decimal	14935532
CIE Lab	90.97, 0.57, -3.64
CIE LCh	91, 3.680, 278.899
Yxy	78.4256, 0.3069, 0.3217
Android (android.graphics.Color)	4293125612 (0xFFE3E5EC)
YUV	229.2000, 3.3524, -1.9294
Hunter-Lab	88.5582, -4.1729, 1.3728

Details

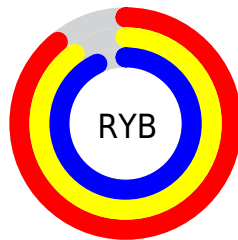
The Yxy color **78.4256, 0.3069, 0.3217** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.1491, 0.3185, 0.3362**, and the grayscale version is **78.4799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3380, 0.3061, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **65.3478, 0.2908, 0.3010**, and if you desaturate by 10%, it is **93.0811, 0.3216, 0.3400**.

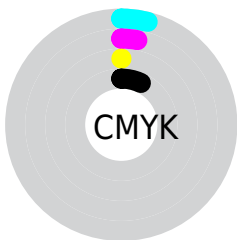
Distribution



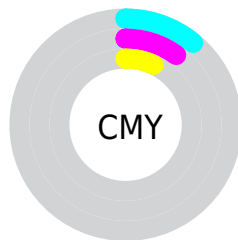
- Red (89%)
- Green (90%)
- Blue (93%)



- Red (89%)
- Yellow (90%)
- Blue (93%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4256, 0.3069, 0.3217 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 78.4256, 0.3069, 0.3217 by changing the saturation by 10% instead.

■ 78.4256, 0.3069,
0.3217

■ 78.4256, 0.3069,
0.3217

489.6110, 0.3096,
0.3250

■ 58.4237, 0.3063,
0.3209

131.1499, 0.3078,
0.3228

■ 42.1493, 0.3056,
0.3200

164.6411, 0.3082,
0.3233

■ 29.2182, 0.3046,
0.3189

203.3974, 0.3085,
0.3237

■ 19.2460, 0.3034,
0.3174

247.8034, 0.3088,
0.3240

■ 11.8482, 0.3018,
0.3153

298.2433, 0.3090,
0.3243

■ 6.6404, 0.2995,
0.3124

355.1016, 0.3092,

■ 3.2382, 0.2959,

0.3246

0.3080

418.7627, 0.3094,
0.3248

■ 1.2573, 0.2897,
0.3004

■ 0.1078, 0.1953,
0.1810

■ 78.4256, 0.3069,
0.3217

■ 78.4256, 0.3069,
0.3217

■ 65.3478, 0.2908,
0.3010

■ 93.0811, 0.3216,
0.3400

■ 53.7845, 0.2733,
0.2777

■ 98.8355, 0.3238,
0.3473

■ 43.6830, 0.2548,
0.2521

■ 34.9833, 0.2356,
0.2244

■ 27.6217, 0.2166,
0.1955

■ 21.5290, 0.1985,
0.1664

■ 16.6293, 0.1825,
0.1387

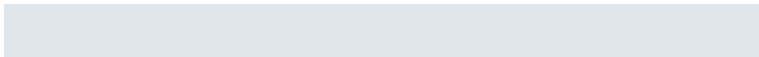
■ 12.8380, 0.1696,
0.1138

■ 10.0577, 0.1604,
0.0934

Harmonies

Analogous

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



78.4256, 0.3046, 0.3233



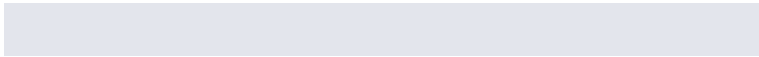
78.4256, 0.3069, 0.3217



78.4256, 0.3107, 0.3220

Triad

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



78.4256, 0.3069, 0.3217



78.4256, 0.3210, 0.3315



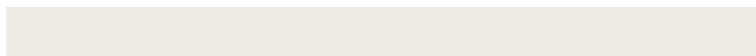
78.4256, 0.3103, 0.3339

Complementary

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



78.4256, 0.3069, 0.3217



82.1491, 0.3185, 0.3362

Split Complementary

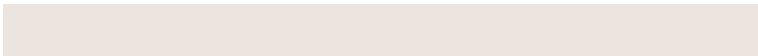
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4256, 0.3147, 0.3361



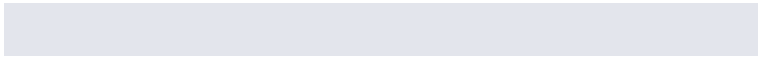
78.4256, 0.3069, 0.3217



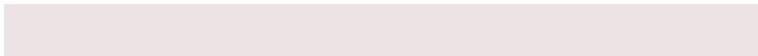
78.4256, 0.3209, 0.3347

Square

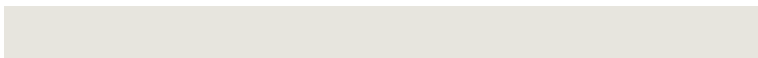
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



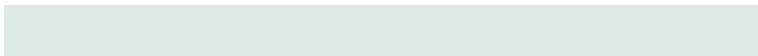
78.4256, 0.3069, 0.3217



78.4256, 0.3189, 0.3277



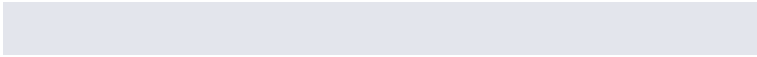
78.4256, 0.3186, 0.3364



78.4256, 0.3066, 0.3303

Rectangle

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



78.4256, 0.3069, 0.3217



78.4256, 0.3136, 0.3233



78.4256, 0.3186, 0.3364



78.4256, 0.3118, 0.3348

Sweetspot

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



78.4289, 0.3069, 0.3217



98.2776, 0.3112, 0.3271



82.2357, 0.3080, 0.3312



21.0536, 0.3113, 0.3272



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.



78.4289, 0.3069, 0.3217



91.5779, 0.3051, 0.3194



77.6636, 0.3086, 0.3195



16.1895, 0.3040, 0.3181



5.0038, 0.1571, 0.0857



0.5364, 0.1642, 0.1112

Inverse Universe

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



78.3843, 0.3176, 0.3268



91.5190, 0.3192, 0.3262



82.9461, 0.3167, 0.3384



16.1788, 0.3202, 0.3258



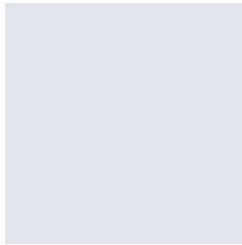
9.9979, 0.5979, 0.3068



0.7996, 0.5593, 0.2855

Previews

White Background



This preview shows how the Yxy color 78.4256, 0.3069, 0.3217 looks on a white background.

Color Contrast Check

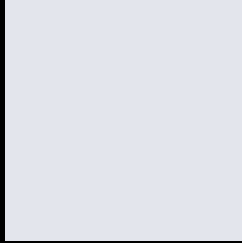
Large Text (above 18pt) WCAG AA × Fail

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 78.4256, 0.3069, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

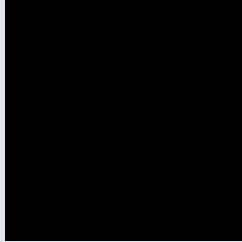
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

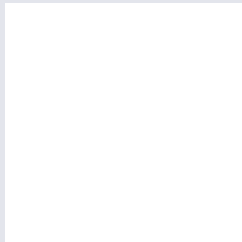
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4256, 0.3069, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 78.4256, 0.3069, 0.3217.

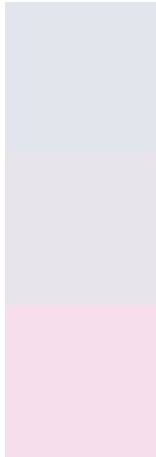


This preview shows how white text looks on a background with the Yxy color 78.4256, 0.3069, 0.3217.

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

78.4256, 0.3069, 0.3217

Protanopia

78.4739, 0.3103, 0.3217

Deuteranopia

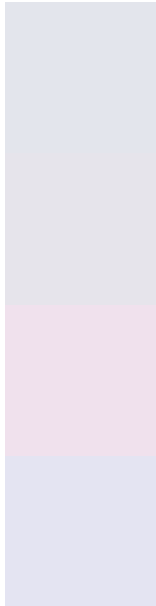
78.1311, 0.3205, 0.3139



Tritanopia

78.6346, 0.3015, 0.3104

Trichromacy



Original Color

78.4256, 0.3069, 0.3217

Protanomaly

78.3080, 0.3096, 0.3217

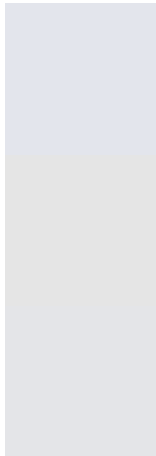
Deuteranomaly

78.4901, 0.3154, 0.3168

Tritanomaly

78.3916, 0.3039, 0.3144

Monochromacy



Original Color

78.4256, 0.3069, 0.3217

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3588, 0.3101, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4256, 0.3069, 0.3217 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(227, 229, 236)` looks like.

```
.text, #text, p{  
    color:rgb(227, 229, 236)  
}
```

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(227, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 229, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.4256, 0.3069, 0.3217 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(227, 229, 236) }
```

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

```
.border{ border-color:rgb(227, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(227, 229,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4256, 0.3069, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 229, 236) }
```

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

```
.background{ background-color: rgb(227,  
229, 236) }
```

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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