

Converting Colors

$Yxy(77.7683, 0.2988, 0.3257)$

Have a look what the booklet for
Yxy(77.7683, 0.2988, 0.3257)
contains.

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Color

Yxy(78.0075, 0.2989, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	D6E8EB
RGB	214, 232, 235
RGB Percent	84%, 91%, 92%
CMY	0.1608, 0.0902, 0.0783
CMYK	0.09, 0.01, 0.00, 0.08
HSL	189°, 35%, 88%
HSV	189°, 9%, 92%
XYZ	71.5887, 78.0075, 89.9110
YIQ	226.9600, -11.6910, -2.8830

Conversions

Conversions Part 2

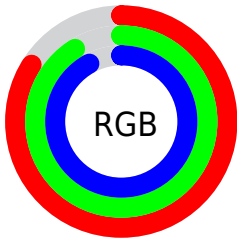
Format	Color
R_{YB}	214, 224, 235
Decimal	14084331
CIE _{Lab}	90.78, -5.35, -3.53
CIE _{LCh}	91, 6.407, 213.392
Yxy	78.0075, 0.2989, 0.3257
Android (android.graphics.Color)	4292274411 (0xFFD6E8EB)
YUV	226.9600, 3.9637, -11.3659
Hunter-Lab	88.3219, -9.8812, 1.4685

Details

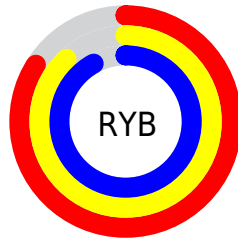
The Yxy color **78.0075, 0.2989, 0.3257** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.1736, 0.3280, 0.3323**, and the grayscale version is **76.7663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6763, 0.2958, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **72.8313, 0.2839, 0.3217**, and if you desaturate by 10%, it is **83.7375, 0.3143, 0.3294**.

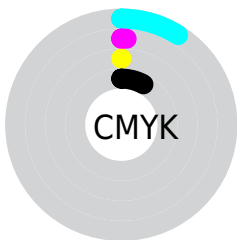
Distribution



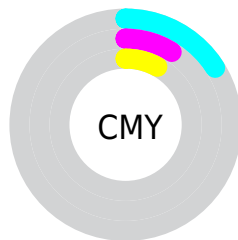
- Red (84%)
- Green (91%)
- Blue (92%)



- Red (84%)
- Yellow (88%)
- Blue (92%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (16%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0075, 0.2989, 0.3257 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 78.0075, 0.2989, 0.3257 by changing the saturation by 10% instead.

■ 78.0075, 0.2989,
0.3257

■ 78.0075, 0.2989,
0.3257

488.1923, 0.3052,
0.3273

■ 58.0801, 0.2975,
0.3253

130.5607, 0.3011,
0.3262

■ 41.8731, 0.2957,
0.3249

163.9553, 0.3019,
0.3265

■ 29.0019, 0.2936,
0.3243

202.6078, 0.3026,
0.3266

■ 19.0823, 0.2907,
0.3236

246.9026, 0.3033,
0.3268

■ 11.7297, 0.2869,
0.3226

297.2240, 0.3038,
0.3269

■ 6.5599, 0.2815,
0.3211

353.9565, 0.3043,

■ 3.1884, 0.2732,

0.3270

0.3187

417.4845, 0.3048,
0.3272

■ 1.2309, 0.2591,
0.3143

■ 0.0867, 0.0000,
0.2028

■ 78.0075, 0.2989,
0.3257

■ 78.0075, 0.2989,
0.3257

■ 72.8313, 0.2839,
0.3217

■ 83.7375, 0.3143,
0.3294

■ 68.1772, 0.2696,
0.3174

■ 88.8737, 0.3259,
0.3327

■ 64.0248, 0.2564,
0.3127

■ 90.8796, 0.3256,
0.3360

■ 60.3487, 0.2445,
0.3079

■ 92.9230, 0.3252,
0.3393

■ 57.1211, 0.2342,
0.3028

■ 95.0043, 0.3249,
0.3426

■ 54.3112, 0.2258,
0.2977

■ 97.1235, 0.3246,
0.3458

■ 51.8835, 0.2193,
0.2925

■ 98.7805, 0.3244,
0.3483

■ 49.7966, 0.2148,
0.2874

■ 47.9873, 0.2119,
0.2823

Harmonies

Analogous

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



78.0075, 0.3031, 0.3326



78.0075, 0.2989, 0.3257



78.0075, 0.2984, 0.3199

Triad

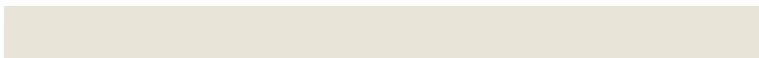
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0075, 0.2989, 0.3257



78.0075, 0.3155, 0.3198



78.0075, 0.3239, 0.3416

Complementary

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



78.0075, 0.2989, 0.3257



72.1736, 0.3280, 0.3323

Split Complementary

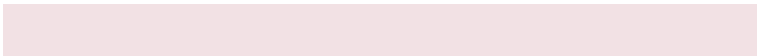
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0075, 0.3273, 0.3380



78.0075, 0.2989, 0.3257



78.0075, 0.3224, 0.3254

Square

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



78.0075, 0.2989, 0.3257



78.0075, 0.3078, 0.3166



78.0075, 0.3268, 0.3321



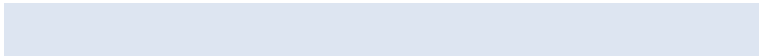
78.0075, 0.3175, 0.3418

Rectangle

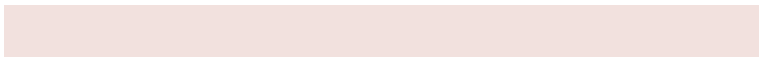
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0075, 0.2989, 0.3257



78.0075, 0.3001, 0.3173



78.0075, 0.3268, 0.3321



78.0075, 0.3254, 0.3407

Sweetspot

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



78.0108, 0.2989, 0.3257



97.8743, 0.3080, 0.3279



78.7369, 0.3099, 0.3488



20.8298, 0.3068, 0.3276



0.0000, 0.0000, 0.0000



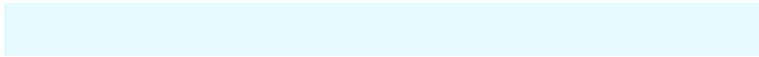
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0108, 0.2989, 0.3257



92.5030, 0.2957, 0.3249



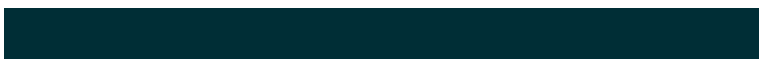
72.3903, 0.2989, 0.3145



16.7291, 0.2981, 0.3255



26.7409, 0.2118, 0.2826



2.2013, 0.2138, 0.2896

Inverse Universe

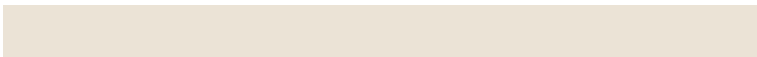
The Inverse Universe completely reimagines the original color for something new.



71.5909, 0.3158, 0.3102



83.1324, 0.3166, 0.3057



77.6421, 0.3268, 0.3431



15.2742, 0.3160, 0.3091



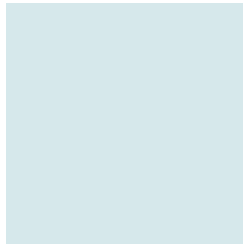
12.1923, 0.3611, 0.1763



0.9676, 0.3547, 0.1727

Previews

White Background



This preview shows how the Yxy color 78.0075, 0.2989, 0.3257 looks on a white background.

Color Contrast Check

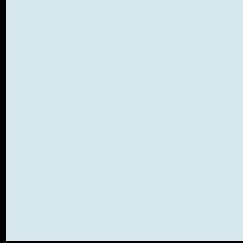
Large Text (above 18pt) WCAG AA × Fail

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 78.0075, 0.2989, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

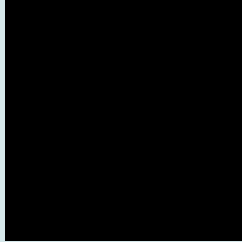
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

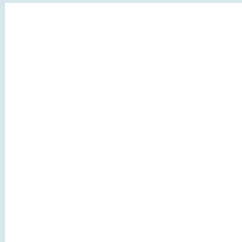
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0075, 0.2989, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 78.0075, 0.2989, 0.3257.

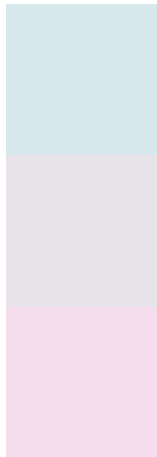


This preview shows how white text looks on a background with the Yxy color 78.0075, 0.2989, 0.3257.

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

78.0075, 0.2989, 0.3257

Protanopia

77.7533, 0.3123, 0.3238

Deuteranopia

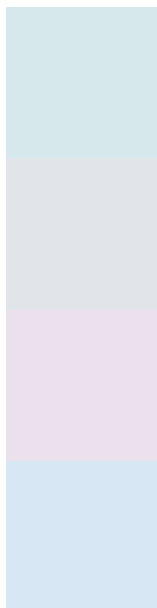
77.4202, 0.3198, 0.3129



Tritanopia

77.9699, 0.2925, 0.3100

Trichromacy



Original Color

78.0075, 0.2989, 0.3257

Protanomaly

77.9294, 0.3075, 0.3248

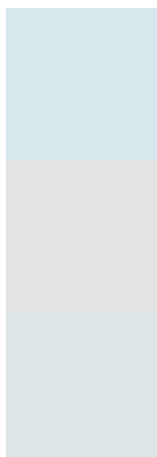
Deuteranomaly

77.3990, 0.3119, 0.3176

Tritanomaly

78.0700, 0.2948, 0.3162

Monochromacy



Original Color

78.0075, 0.2989, 0.3257

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.2814, 0.3073, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0075, 0.2989, 0.3257 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, 232, 235)` looks like.

```
.text, #text, p{  
    color:rgb(214, 232, 235)  
}
```

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, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 232, 235) }
```

Border

The CSS property to change the border of an element to Yxy 78.0075, 0.2989, 0.3257 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, 232, 235) }
```

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

```
.border{ border-color:rgb(214, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(214, 232,  
235) }
```


Background

The CSS property to change the background color of an element to `rgb(78.0075, 0.2989, 0.3257)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 232, 235) }
```

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

```
.background{ background-color: rgb(214,  
232, 235) }
```

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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