

Converting Colors

$Yxy(78.8827, 0.3085, 0.3351)$

Have a look what the booklet for
Yxy(78.8827, 0.3085, 0.3351)
contains.

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Color

Yxy(78.6314, 0.3084, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	DDE8E3
RGB	221, 232, 227
RGB Percent	87%, 91%, 89%
CMY	0.1334, 0.0902, 0.1097
CMYK	0.05, 0.00, 0.02, 0.09
HSL	153°, 19%, 89%
HSV	153°, 5%, 91%
XYZ	72.5394, 78.6314, 84.0413
YIQ	228.1410, -4.9510, -3.8870

Conversions

Conversions Part 2

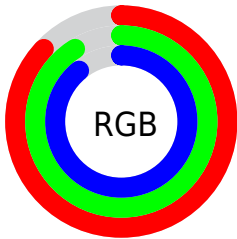
Format	Color
R _Y B	221, 228, 232
Decimal	14543075
CIE Lab	91.07, -4.57, 1.14
CIE LCh	91, 4.708, 166.000
Yxy	78.6314, 0.3084, 0.3343
Android (android.graphics.Color)	4292733155 (0xFFDDE8E3)
YUV	228.1410, -0.5625, -6.2627
Hunter-Lab	88.6743, -9.1595, 5.8798

Details

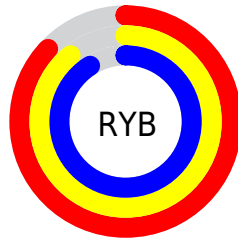
The Yxy color **78.6314, 0.3084, 0.3343** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.3527, 0.3173, 0.3238**, and the grayscale version is **77.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1362, 0.3072, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **74.6792, 0.2995, 0.3464**, and if you desaturate by 10%, it is **83.1289, 0.3175, 0.3235**.

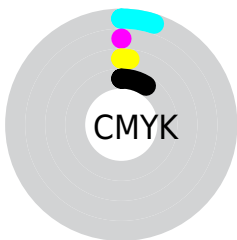
Distribution



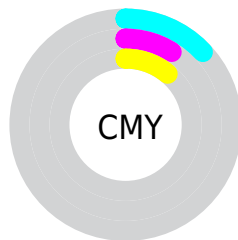
- Red (87%)
- Green (91%)
- Blue (89%)



- Red (87%)
- Yellow (89%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6314, 0.3084, 0.3343 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 78.6314, 0.3084, 0.3343 by changing the saturation by 10% instead.

■ 78.6314, 0.3084,
0.3343

■ 78.6314, 0.3084,
0.3343

490.3085, 0.3104,
0.3319

■ 58.5928, 0.3080,
0.3348

131.4398, 0.3091,
0.3335

■ 42.2854, 0.3074,
0.3355

164.9784, 0.3094,
0.3331

■ 29.3248, 0.3067,
0.3364

203.7858, 0.3096,
0.3329

■ 19.3267, 0.3058,
0.3375

248.2464, 0.3098,
0.3326

■ 11.9066, 0.3046,
0.3390

298.7446, 0.3100,
0.3324

■ 6.6801, 0.3028,
0.3411

355.6647, 0.3101,

■ 3.2629, 0.3001,

0.3322

0.3445

419.3912, 0.3103,
0.3320

■ 1.2705, 0.2954,
0.3504

■ 0.1182, 0.0047,
0.7035

■ 78.6314, 0.3084,
0.3343

■ 78.6314, 0.3084,
0.3343

■ 74.6792, 0.2995,
0.3464

■ 83.1289, 0.3175,
0.3235

■ 71.2410, 0.2909,
0.3599

■ 85.7557, 0.3182,
0.3135

■ 68.2977, 0.2831,
0.3746

■ 86.1974, 0.3138,
0.3068

■ 65.8250, 0.2762,
0.3906

■ 63.7965, 0.2706,
0.4075

■ 62.1831, 0.2668,
0.4251

■ 60.9522, 0.2648,
0.4430

■ 60.0658, 0.2648,
0.4607

■ 59.4777, 0.2669,
0.4779

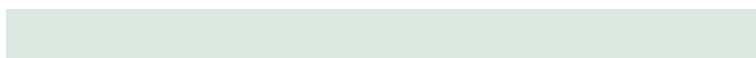
Harmonies

Analogous

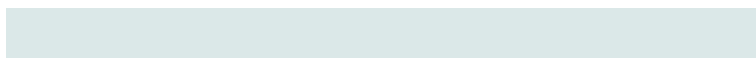
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6314, 0.3139, 0.3376



78.6314, 0.3084, 0.3343



78.6314, 0.3041, 0.3295

Triad

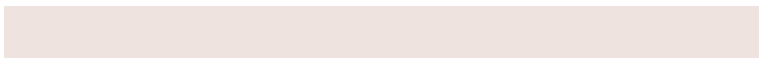
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6314, 0.3084, 0.3343



78.6314, 0.3063, 0.3196



78.6314, 0.3235, 0.3332

Complementary

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



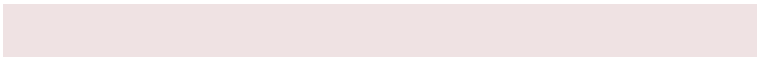
78.6314, 0.3084, 0.3343



74.3527, 0.3173, 0.3238

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.



78.6314, 0.3214, 0.3284



78.6314, 0.3084, 0.3343



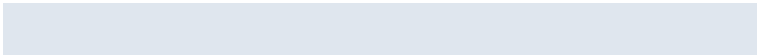
78.6314, 0.3115, 0.3206

Square

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



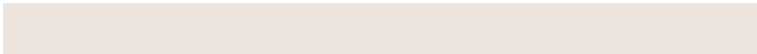
78.6314, 0.3084, 0.3343



78.6314, 0.3029, 0.3210



78.6314, 0.3170, 0.3238



78.6314, 0.3227, 0.3370

Rectangle

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



78.6314, 0.3084, 0.3343



78.6314, 0.3024, 0.3262



78.6314, 0.3170, 0.3238



78.6314, 0.3231, 0.3317

Sweetspot

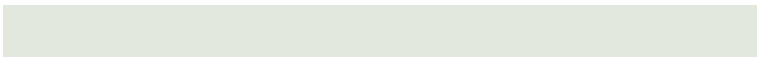
The Sweet Spot groups the original color and five complimentary colors.



78.6348, 0.3084, 0.3343



99.4455, 0.3118, 0.3301



79.1269, 0.3157, 0.3407



21.2913, 0.3118, 0.3300



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.



78.6348, 0.3084, 0.3343



96.7749, 0.3072, 0.3358



78.7075, 0.3053, 0.3286



16.4631, 0.3067, 0.3365



32.9170, 0.2678, 0.4840



2.4511, 0.2609, 0.4593

Inverse Universe

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



74.3527, 0.3173, 0.3238



90.0958, 0.3185, 0.3223



74.2771, 0.3206, 0.3294



15.2180, 0.3191, 0.3217



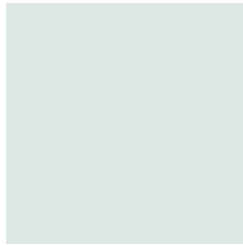
10.1148, 0.5155, 0.2613



0.7660, 0.4799, 0.2417

Previews

White Background



This preview shows how the Yxy color 78.6314, 0.3084, 0.3343 looks on a white background.

Color Contrast Check

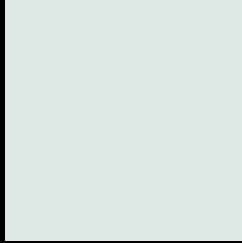
Large Text (above 18pt) WCAG AA × Fail

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 78.6314, 0.3084, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

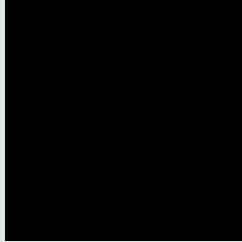
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

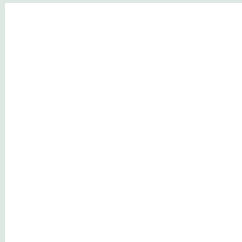
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6314, 0.3084, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 78.6314, 0.3084, 0.3343.

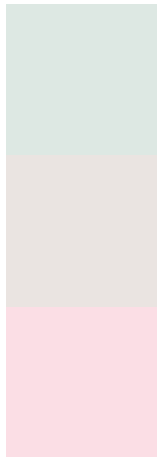


This preview shows how white text looks on a background with the Yxy color 78.6314, 0.3084, 0.3343.

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

78.6314, 0.3084, 0.3343

Protanopia

78.4155, 0.3188, 0.3322

Deuteranopia

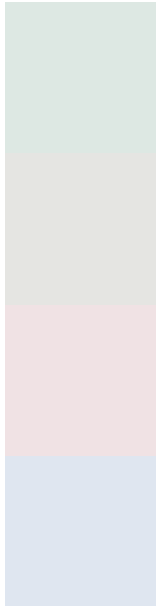
78.4089, 0.3287, 0.3220



Tritanopia

78.6013, 0.2982, 0.3103

Trichromacy



Original Color

78.6314, 0.3084, 0.3343

Protanomaly

78.1876, 0.3146, 0.3322

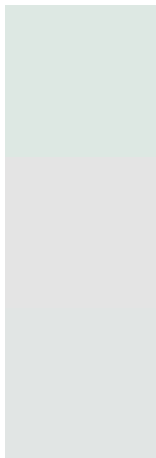
Deuteranomaly

78.5194, 0.3212, 0.3270

Tritanomaly

78.5729, 0.3018, 0.3185

Monochromacy



Original Color

78.6314, 0.3084, 0.3343

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6476, 0.3106, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6314, 0.3084, 0.3343 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(221, 232, 227)` looks like.

```
.text, #text, p{  
    color:rgb(221, 232, 227)  
}
```

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(221, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 232, 227) }
```

Border

The CSS property to change the border of an element to Yxy 78.6314, 0.3084, 0.3343 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(221, 232, 227) }
```

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

```
.border{ border-color:rgb(221, 232, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(221, 232,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6314, 0.3084, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 232, 227) }
```

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

```
.background{ background-color: rgb(221,  
232, 227) }
```

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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