

Converting Colors

$Yxy(78.7036, 0.3142, 0.3414)$

Have a look what the booklet for
Yxy(78.7036, 0.3142, 0.3414)
contains.

Yxy(78.5685, 0.3142, 0.3418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5685, 0.3142, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	DFE8DC
RGB	223, 232, 220
RGB Percent	87%, 91%, 86%
CMY	0.1252, 0.0903, 0.1372
CMYK	0.04, 0.00, 0.05, 0.09
HSL	105°, 21%, 89%
HSV	105°, 5%, 91%
XYZ	72.2242, 78.5685, 79.0742
YIQ	227.9410, -1.5120, -5.6400

Conversions

Conversions Part 2

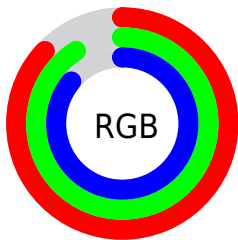
Format	Color
R _Y B	220, 232, 229
Decimal	14674140
CIE Lab	91.04, -5.11, 4.78
CIE LCh	91, 6.994, 136.912
Yxy	78.5685, 0.3142, 0.3418
Android (android.graphics.Color)	4292864220 (0xFFDFE8DC)
YUV	227.9410, -3.9149, -4.3333
Hunter-Lab	88.6389, -9.6738, 9.1550

Details

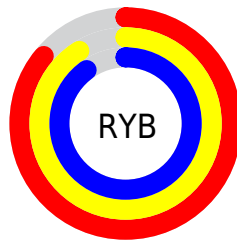
The Yxy color **78.5685, 0.3142, 0.3418** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.6611, 0.3111, 0.3164**, and the grayscale version is **77.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0921, 0.3146, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **74.8224, 0.3170, 0.3688**, and if you desaturate by 10%, it is **82.7714, 0.3113, 0.3177**.

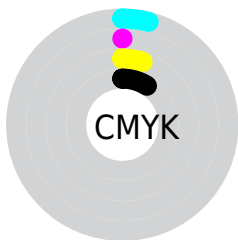
Distribution



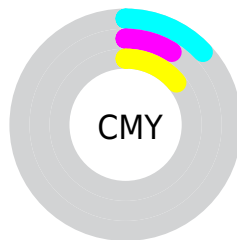
- Red (87%)
- Green (91%)
- Blue (86%)



- Red (86%)
- Yellow (91%)
- Blue (90%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5685, 0.3142, 0.3418 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 78.5685, 0.3142, 0.3418 by changing the saturation by 10% instead.

■ 78.5685, 0.3142,
0.3418

■ 78.5685, 0.3142,
0.3418

490.0954, 0.3135,
0.3359

■ 58.5411, 0.3143,
0.3431

131.3512, 0.3140,
0.3398

■ 42.2438, 0.3145,
0.3448

164.8753, 0.3139,
0.3390

■ 29.2923, 0.3147,
0.3469

203.6671, 0.3138,
0.3383

■ 19.3020, 0.3150,
0.3496

248.1110, 0.3138,
0.3377

■ 11.8887, 0.3153,
0.3533

298.5914, 0.3137,
0.3372

■ 6.6679, 0.3158,
0.3587

355.4927, 0.3136,

■ 3.2553, 0.3164,

0.3367

0.3671

419.1992, 0.3136,
0.3363

■ 1.2664, 0.3174,
0.3820

■ 0.1150, 0.0000,
1.0000

■ 78.5685, 0.3142,
0.3418

■ 78.5685, 0.3142,
0.3418

■ 74.8224, 0.3170,
0.3688

■ 82.7714, 0.3113,
0.3177

■ 71.5076, 0.3195,
0.3984

■ 86.1840, 0.3138,
0.3068

■ 68.6114, 0.3215,
0.4303

■ 66.1164, 0.3227,
0.4635

■ 64.0043, 0.3230,
0.4965

■ 62.2549, 0.3221,
0.5275

■ 60.8464, 0.3198,
0.5541

■ 59.7539, 0.3163,
0.5746

■ 58.9489, 0.3119,
0.5878

Harmonies

Analogous

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



78.5685, 0.3220, 0.3433



78.5685, 0.3142, 0.3418



78.5685, 0.3061, 0.3367

Triad

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



78.5685, 0.3142, 0.3418



78.5685, 0.2982, 0.3170



78.5685, 0.3259, 0.3283

Complementary

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



78.5685, 0.3142, 0.3418



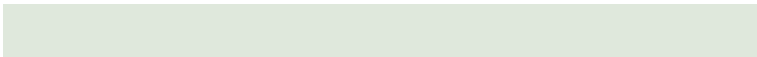
73.6611, 0.3111, 0.3164

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.



78.5685, 0.3193, 0.3215



78.5685, 0.3142, 0.3418



78.5685, 0.3034, 0.3150

Square

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



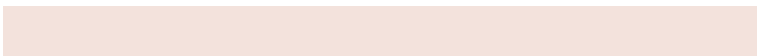
78.5685, 0.3142, 0.3418



78.5685, 0.2969, 0.3223



78.5685, 0.3111, 0.3167



78.5685, 0.3288, 0.3354

Rectangle

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



78.5685, 0.3142, 0.3418



78.5685, 0.3015, 0.3320



78.5685, 0.3111, 0.3167



78.5685, 0.3240, 0.3259

Sweetspot

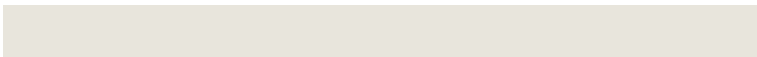
The Sweet Spot groups the original color and five complimentary colors.



78.5719, 0.3142, 0.3418



98.9634, 0.3133, 0.3339



78.2437, 0.3206, 0.3383



21.1931, 0.3133, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

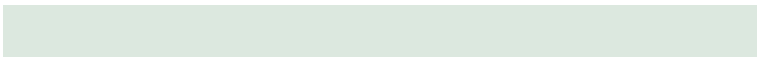
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5719, 0.3142, 0.3418



96.9583, 0.3144, 0.3440



78.2383, 0.3104, 0.3388



16.4971, 0.3146, 0.3455



32.6143, 0.3107, 0.5915



2.4537, 0.3211, 0.5833

Inverse Universe

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



73.6611, 0.3111, 0.3164



89.8881, 0.3109, 0.3142



74.0122, 0.3152, 0.3194



15.1790, 0.3107, 0.3127



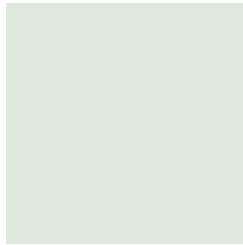
8.2039, 0.2570, 0.1190



0.6499, 0.2667, 0.1243

Previews

White Background



This preview shows how the Yxy color 78.5685, 0.3142, 0.3418 looks on a white background.

Color Contrast Check

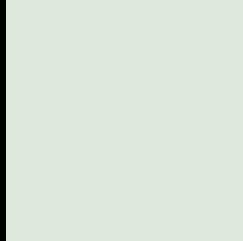
Large Text (above 18pt) WCAG AA × Fail

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 78.5685, 0.3142, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

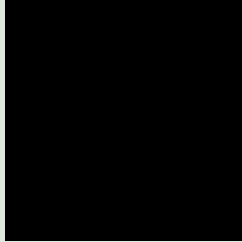
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

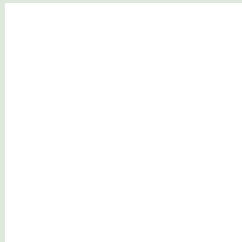
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5685, 0.3142, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 78.5685, 0.3142, 0.3418.

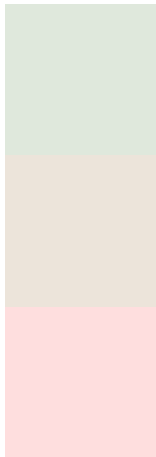


This preview shows how white text looks on a background with the Yxy color 78.5685, 0.3142, 0.3418.

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

78.5685, 0.3142, 0.3418

Protanopia

78.3816, 0.3248, 0.3395

Deuteranopia

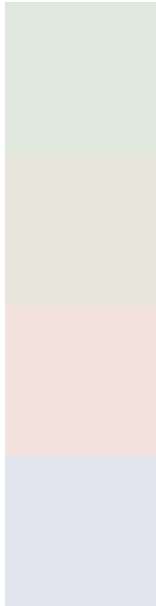
78.5873, 0.3357, 0.3291



Tritanopia

78.4715, 0.3008, 0.3103

Trichromacy



Original Color

78.5685, 0.3142, 0.3418

Protanomaly

78.1420, 0.3205, 0.3396

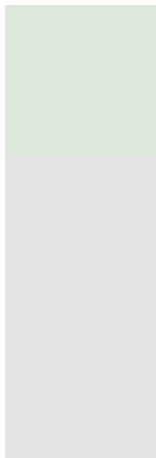
Deuteranomaly

78.6679, 0.3280, 0.3342

Tritanomaly

78.3218, 0.3057, 0.3206

Monochromacy



Original Color

78.5685, 0.3142, 0.3418

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6436, 0.3132, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5685, 0.3142, 0.3418 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(223, 232, 220)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 220)  
}
```

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(223, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 220) }
```

Border

The CSS property to change the border of an element to Yxy 78.5685, 0.3142, 0.3418 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(223, 232, 220) }
```

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

```
.border{ border-color:rgb(223, 232, 220) }
```

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

Here you see how a box with a 4 pixel rgb(223, 232, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(223, 232,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5685, 0.3142, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 220) }
```

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

```
.background{ background-color: rgb(223,  
232, 220) }
```

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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