

Converting Colors

$Yxy(78.7143, 0.3159, 0.3497)$

Have a look what the booklet for
Yxy(78.7143, 0.3159, 0.3497)
contains.

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Color

Yxy(78.9163, 0.3158, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	DCEAD6
RGB	220, 234, 214
RGB Percent	86%, 92%, 84%
CMY	0.1371, 0.0824, 0.1609
CMYK	0.06, 0.00, 0.09, 0.08
HSL	102°, 32%, 88%
HSV	102°, 9%, 92%
XYZ	71.0832, 78.9163, 75.0898
YIQ	227.5340, -1.9240, -9.1880

Conversions

Conversions Part 2

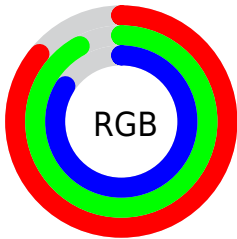
Format	Color
RYB	214, 234, 228
Decimal	14478038
CIELab	91.20, -8.20, 8.12
CIELCh	91, 11.543, 135.287
Yxy	78.9163, 0.3158, 0.3506
Android (android.graphics.Color)	4292668118 (0xFFDCEAD6)
YUV	227.5340, -6.6723, -6.6073
Hunter-Lab	88.8348, -12.6302, 12.0681

Details

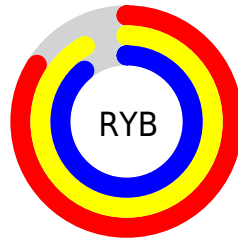
The Yxy color **78.9163, 0.3158, 0.3506** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.5060, 0.3093, 0.3078**, and the grayscale version is **77.2814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3433, 0.3167, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **75.3862, 0.3193, 0.3784**, and if you desaturate by 10%, it is **82.8732, 0.3122, 0.3255**.

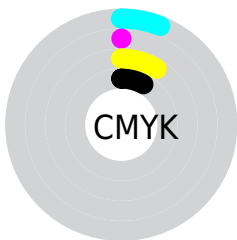
Distribution



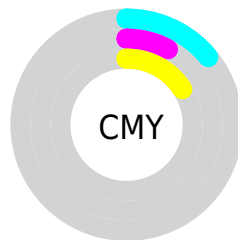
- Red (86%)
- Green (92%)
- Blue (84%)



- Red (84%)
- Yellow (92%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)



- Cyan (14%)
- Magenta (8%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9163, 0.3158, 0.3506 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 78.9163, 0.3158, 0.3506 by changing the saturation by 10% instead.

■ 78.9163, 0.3158,
0.3506

■ 78.9163, 0.3158,
0.3506

491.2731, 0.3145,
0.3406

■ 58.8270, 0.3161,
0.3529

131.8410, 0.3154,
0.3471

■ 42.4739, 0.3164,
0.3557

165.4452, 0.3152,
0.3458

■ 29.4725, 0.3168,
0.3593

204.3232, 0.3150,
0.3446

■ 19.4386, 0.3174,
0.3640

248.8593, 0.3149,
0.3436

■ 11.9876, 0.3180,
0.3704

299.4380, 0.3148,
0.3427

■ 6.7352, 0.3189,
0.3796

356.4436, 0.3146,

■ 3.2971, 0.3200,

0.3419

420.2605, 0.3145,
0.3412

0.3941

1.2887, 0.3224,
0.4217

0.1324, 0.0000,
1.0000

78.9163, 0.3158,
0.3506

78.9163, 0.3158,
0.3506

75.3862, 0.3193,
0.3784

82.8732, 0.3122,
0.3255

72.2584, 0.3224,
0.4086

86.8826, 0.3121,
0.3087

69.5210, 0.3248,
0.4406

87.3230, 0.3137,
0.3088

67.1579, 0.3264,
0.4733

■ 65.1516, 0.3268,
0.5052

■ 63.4832, 0.3257,
0.5344

■ 62.1317, 0.3231,
0.5587

■ 61.0733, 0.3191,
0.5767

■ 60.2771, 0.3142,
0.5880

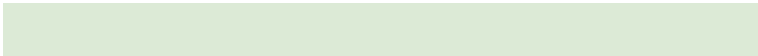
Harmonies

Analogous

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



78.9163, 0.3286, 0.3527



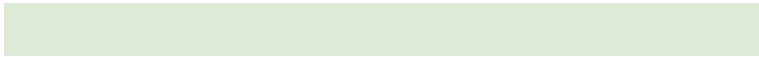
78.9163, 0.3158, 0.3506



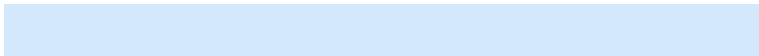
78.9163, 0.3024, 0.3423

Triad

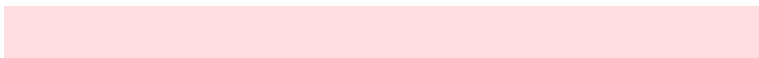
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9163, 0.3158, 0.3506



78.9163, 0.2886, 0.3095



78.9163, 0.3340, 0.3271

Complementary

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



78.9163, 0.3158, 0.3506



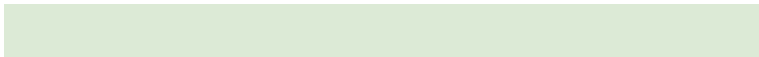
70.5060, 0.3093, 0.3078

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.



78.9163, 0.3229, 0.3162



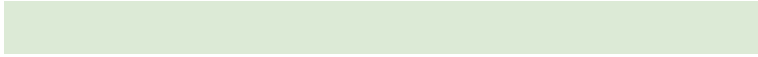
78.9163, 0.3158, 0.3506



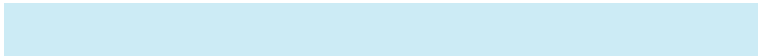
78.9163, 0.2967, 0.3061

Square

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



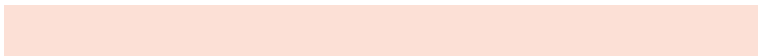
78.9163, 0.3158, 0.3506



78.9163, 0.2869, 0.3183



78.9163, 0.3092, 0.3086



78.9163, 0.3393, 0.3388

Rectangle

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



78.9163, 0.3158, 0.3506



78.9163, 0.2948, 0.3346



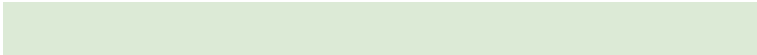
78.9163, 0.3092, 0.3086



78.9163, 0.3308, 0.3233

Sweetspot

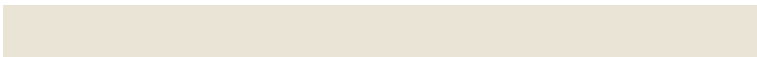
The Sweet Spot groups the original color and five complimentary colors.



78.9197, 0.3158, 0.3506



98.5197, 0.3138, 0.3364



77.6441, 0.3261, 0.3435



21.0043, 0.3141, 0.3384



0.0000, 0.0000, 0.0000



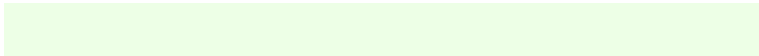
21.4041, 0.3127, 0.3290

Same Dimension

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



78.9197, 0.3158, 0.3506



95.2487, 0.3163, 0.3546



78.1798, 0.3094, 0.3468



17.0834, 0.3161, 0.3530



33.8763, 0.3145, 0.5885



2.7088, 0.3248, 0.5803

Inverse Universe

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



70.5060, 0.3093, 0.3078



83.3596, 0.3087, 0.3039



71.3063, 0.3162, 0.3118



15.0715, 0.3089, 0.3054



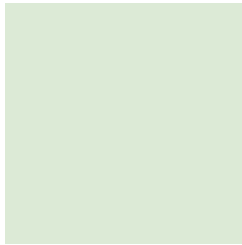
7.7884, 0.2456, 0.1127



0.6615, 0.2563, 0.1186

Previews

White Background



This preview shows how the Yxy color 78.9163, 0.3158, 0.3506 looks on a white background.

Color Contrast Check

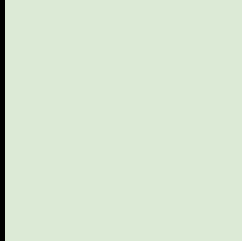
Large Text (above 18pt) WCAG AA × Fail

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 78.9163, 0.3158, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

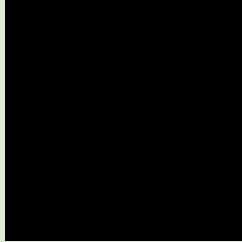
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

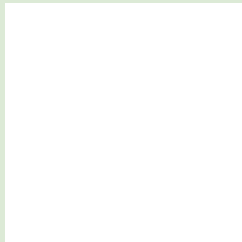
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9163, 0.3158, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 78.9163, 0.3158, 0.3506.

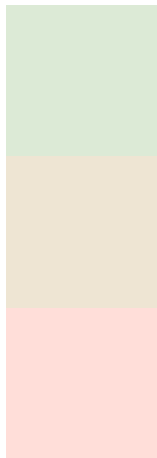


This preview shows how white text looks on a background with the Yxy color 78.9163, 0.3158, 0.3506.

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

78.9163, 0.3158, 0.3506

Protanopia

78.9189, 0.3308, 0.3479

Deuteranopia

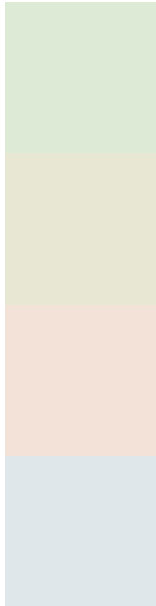
78.5123, 0.3400, 0.3341



Tritanopia

78.7616, 0.2989, 0.3103

Trichromacy



Original Color

78.9163, 0.3158, 0.3506

Protanomaly

78.8942, 0.3249, 0.3492

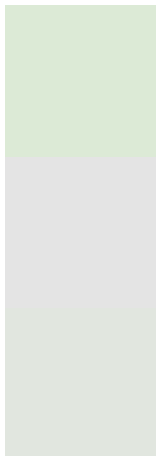
Deuteranomaly

78.2278, 0.3306, 0.3394

Tritanomaly

78.8380, 0.3048, 0.3248

Monochromacy



Original Color

78.9163, 0.3158, 0.3506

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.9289, 0.3137, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9163, 0.3158, 0.3506 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(220, 234, 214)` looks like.

```
.text, #text, p{  
    color:rgb(220, 234, 214)  
}
```

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(220, 234, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 234, 214) }
```

Border

The CSS property to change the border of an element to Yxy 78.9163, 0.3158, 0.3506 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(220, 234, 214) }
```

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

```
.border{ border-color:rgb(220, 234, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 234, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 234, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 234, 214);  
box-shadow:4px 4px 4px 4px rgb(220, 234,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9163, 0.3158, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 234, 214) }
```

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

```
.background{ background-color: rgb(220,  
234, 214) }
```

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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