

Converting Colors

$Yxy(76.5603, 0.3154, 0.3502)$

Have a look what the booklet for
Yxy(76.5603, 0.3154, 0.3502)
contains.

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Color

Yxy(76.6570, 0.3152, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	D9E7D4
RGB	217, 231, 212
RGB Percent	85%, 91%, 83%
CMY	0.1489, 0.0941, 0.1688
CMYK	0.06, 0.00, 0.08, 0.09
HSL	104°, 28%, 87%
HSV	104°, 8%, 91%
XYZ	69.0746, 76.6570, 73.4137
YIQ	224.6480, -2.2450, -8.8770

Conversions

Conversions Part 2

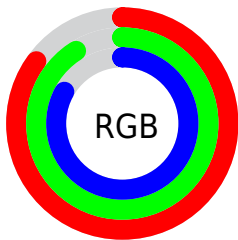
Format	Color
R _Y B	212, 231, 226
Decimal	14280660
CIE Lab	90.16, -8.07, 7.67
CIE LCh	90, 11.128, 136.462
Yxy	76.6570, 0.3152, 0.3498
Android (android.graphics.Color)	4292470740 (0xFFD9E7D4)
YUV	224.6480, -6.2355, -6.7073
Hunter-Lab	87.5540, -12.3942, 11.5734

Details

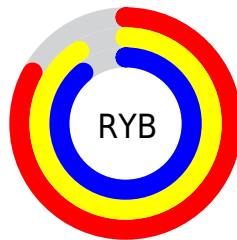
The Yxy color **76.6570, 0.3152, 0.3498** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.9946, 0.3100, 0.3086**, and the grayscale version is **75.0781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7756, 0.3159, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **73.1098, 0.3181, 0.3776**, and if you desaturate by 10%, it is **80.6447, 0.3122, 0.3248**.

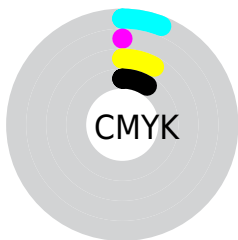
Distribution



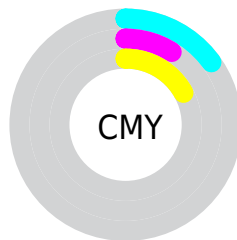
- Red (85%)
- Green (91%)
- Blue (83%)



- Red (83%)
- Yellow (91%)
- Blue (89%)



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




- Cyan (15%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6570, 0.3152, 0.3498 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 76.6570, 0.3152, 0.3498 by changing the saturation by 10% instead.

 76.6570, 0.3152,
0.3498

 76.6570, 0.3152,
0.3498


483.5938, 0.3141,
0.3401

 56.9714, 0.3154,
0.3520


128.6552, 0.3148,
0.3464

 40.9823, 0.3157,
0.3548


161.7366, 0.3147,
0.3451

 28.3052, 0.3160,
0.3583


200.0520, 0.3146,
0.3440

 18.5559, 0.3164,
0.3629

243.9859, 0.3145,
0.3430

 11.3498, 0.3170,
0.3692

293.9226, 0.3144,
0.3422

 6.3026, 0.3176,
0.3783

350.2466, 0.3143,

 3.0300, 0.3184,

0.3414

0.3929

413.3422, 0.3142,
0.3407

■ 1.1474, 0.3222,
0.4235

■ 0.0181, 0.0000,
1.0000

■ 76.6570, 0.3152,
0.3498

■ 76.6570, 0.3152,
0.3498

■ 73.1098, 0.3181,
0.3776

■ 80.6447, 0.3122,
0.3248

■ 69.9780, 0.3206,
0.4079

■ 84.8722, 0.3111,
0.3056

■ 67.2491, 0.3225,
0.4403

■ 85.6341, 0.3138,
0.3058

■ 64.9061, 0.3236,
0.4734

■ 62.9305, 0.3237,
0.5059

■ 61.3025, 0.3224,
0.5356

■ 60.0001, 0.3197,
0.5605

■ 58.9985, 0.3159,
0.5788

■ 58.2659, 0.3113,
0.5901

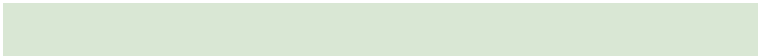
Harmonies

Analogous

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



76.6570, 0.3278, 0.3521



76.6570, 0.3152, 0.3498



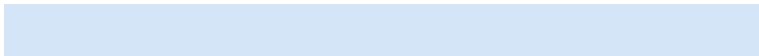
76.6570, 0.3022, 0.3416

Triad

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



76.6570, 0.3152, 0.3498



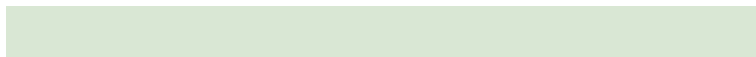
76.6570, 0.2895, 0.3098



76.6570, 0.3337, 0.3276

Complementary

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



76.6570, 0.3152, 0.3498



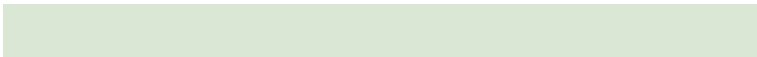
68.9946, 0.3100, 0.3086

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.



76.6570, 0.3231, 0.3169



76.6570, 0.3152, 0.3498



76.6570, 0.2975, 0.3067

Square

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



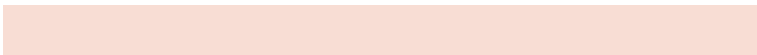
76.6570, 0.3152, 0.3498



76.6570, 0.2875, 0.3182



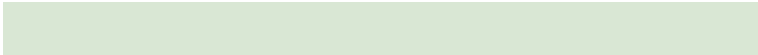
76.6570, 0.3098, 0.3093



76.6570, 0.3386, 0.3390

Rectangle

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



76.6570, 0.3152, 0.3498



76.6570, 0.2949, 0.3339



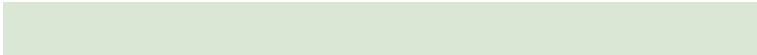
76.6570, 0.3098, 0.3093



76.6570, 0.3307, 0.3239

Sweetspot

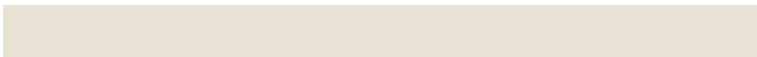
The Sweet Spot groups the original color and five complimentary colors.



76.6603, 0.3152, 0.3498



98.9726, 0.3133, 0.3339



76.0928, 0.3255, 0.3439



21.1950, 0.3133, 0.3337



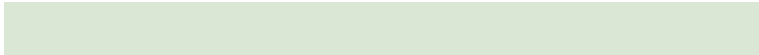
0.0000, 0.0000, 0.0000



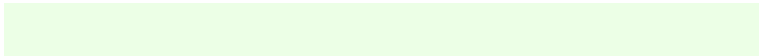
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6603, 0.3152, 0.3498



95.0857, 0.3157, 0.3546



76.1235, 0.3090, 0.3450



16.2735, 0.3156, 0.3530



32.6552, 0.3115, 0.5909



2.4575, 0.3220, 0.5826

Inverse Universe

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



68.9946, 0.3100, 0.3086



83.5327, 0.3093, 0.3040



69.5770, 0.3167, 0.3135



14.4124, 0.3096, 0.3055



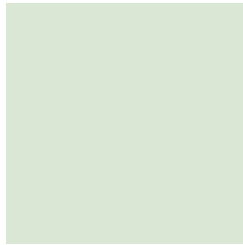
8.0638, 0.2547, 0.1177



0.6406, 0.2647, 0.1232

Previews

White Background



This preview shows how the Yxy color 76.6570, 0.3152, 0.3498 looks on a white background.

Color Contrast Check

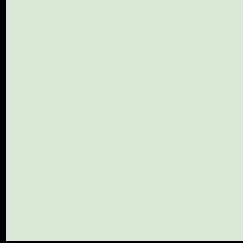
Large Text (above 18pt) WCAG AA × Fail

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 76.6570, 0.3152, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

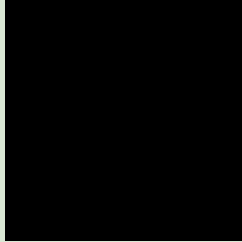
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

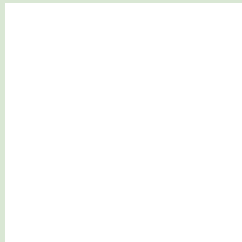
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6570, 0.3152, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 76.6570, 0.3152, 0.3498.

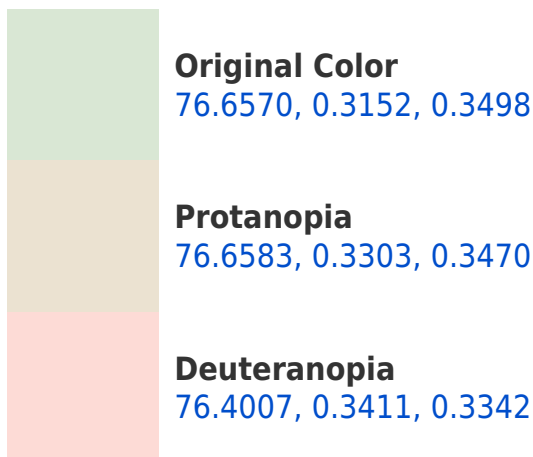


This preview shows how white text looks on a background with the Yxy color 76.6570, 0.3152, 0.3498.

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

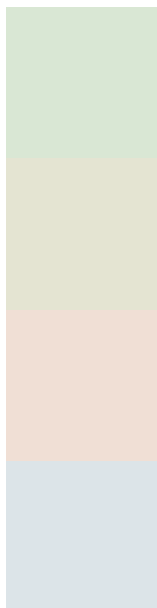




Tritanopia

76.4540, 0.2987, 0.3101

Trichromacy



Original Color

76.6570, 0.3152, 0.3498

Protanomaly

76.6339, 0.3244, 0.3483

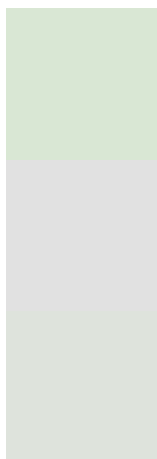
Deuteranomaly

76.1047, 0.3316, 0.3395

Tritanomaly

76.5286, 0.3047, 0.3247

Monochromacy



Original Color

76.6570, 0.3152, 0.3498

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.6351, 0.3137, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6570, 0.3152, 0.3498 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(217, 231, 212)` looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 212)  
}
```

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(217, 231, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.6570, 0.3152, 0.3498 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(217, 231, 212) }
```

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

```
.border{ border-color:rgb(217, 231, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 231, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 212);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6570, 0.3152, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 231, 212) }
```

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

```
.background{ background-color: rgb(217,  
231, 212) }
```

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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