

Converting Colors

$Yxy(79.7996, 0.3120, 0.3451)$

Have a look what the booklet for
Yxy(79.7996, 0.3120, 0.3451)
contains.

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Color

Yxy(79.7996, 0.3120, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	DCEBDC
RGB	220, 235, 220
RGB Percent	86%, 92%, 86%
CMY	0.1371, 0.0784, 0.1374
CMYK	0.06, 0.00, 0.06, 0.08
HSL	120°, 27%, 89%
HSV	120°, 6%, 92%
XYZ	72.1457, 79.7996, 79.2909
YIQ	228.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

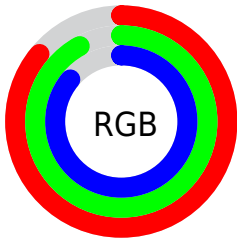
Format	Color
R _Y B	220, 235, 235
Decimal	14478300
CIE Lab	91.59, -7.67, 5.57
CIE LCh	92, 9.481, 144.002
Yxy	79.7996, 0.3120, 0.3451
Android (android.graphics.Color)	4292668380 (0xFFDCEBDC)
YUV	228.8050, -4.3409, -7.7220
Hunter-Lab	89.3306, -12.1674, 9.9050

Details

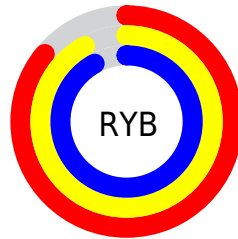
The Yxy color **79.7996, 0.3120, 0.3451** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8227, 0.3134, 0.3134**, and the grayscale version is **78.2428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9561, 0.3118, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **75.2432, 0.3107, 0.3732**, and if you desaturate by 10%, it is **85.0493, 0.3131, 0.3205**.

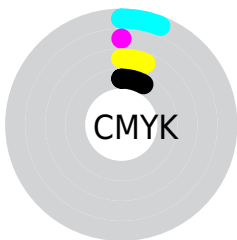
Distribution



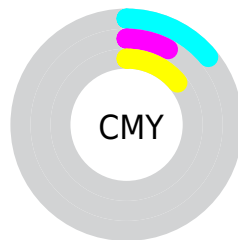
- Red (86%)
- Green (92%)
- Blue (86%)



- Red (86%)
- Yellow (92%)
- Blue (92%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7996, 0.3120, 0.3451 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 79.7996, 0.3120, 0.3451 by changing the saturation by 10% instead.


 79.7996, 0.3120,
0.3451

 79.7996, 0.3120,
0.3451


494.2572, 0.3124,
0.3377

 59.5535, 0.3119,
0.3468

133.0839, 0.3121,
0.3425

 43.0588, 0.3118,
0.3489


166.8909, 0.3122,
0.3415

 29.9313, 0.3116,
0.3515


205.9870, 0.3122,
0.3407

 19.7864, 0.3114,
0.3549

250.7565, 0.3123,
0.3399

 12.2399, 0.3111,
0.3596

301.5839, 0.3123,
0.3393

 6.9073, 0.3106,
0.3664

358.8536, 0.3123,

 3.4042, 0.3097,

0.3387

0.3769

422.9499, 0.3123,
0.3382

■ 1.3462, 0.3079,
0.3956

■ 0.1766, 0.0000,
1.0000

■ 79.7996, 0.3120,
0.3451

■ 79.7996, 0.3120,
0.3451

■ 75.2432, 0.3107,
0.3732

■ 85.0493, 0.3131,
0.3205

■ 71.3414, 0.3093,
0.4047

■ 87.8965, 0.3136,
0.3097

■ 68.0673, 0.3078,
0.4390

■ 65.3882, 0.3061,
0.4750

■ 63.2682, 0.3044,
0.5106

■ 61.6680, 0.3029,
0.5431

■ 60.5427, 0.3016,
0.5697

■ 59.8401, 0.3007,
0.5882

■ 59.4954, 0.3002,
0.5978

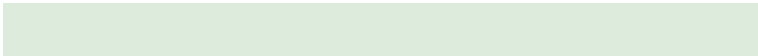
Harmonies

Analogous

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



79.7996, 0.3229, 0.3484



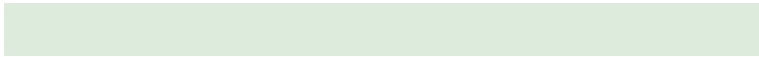
79.7996, 0.3120, 0.3451



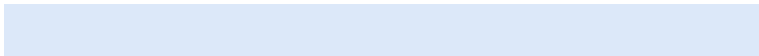
79.7996, 0.3014, 0.3373

Triad

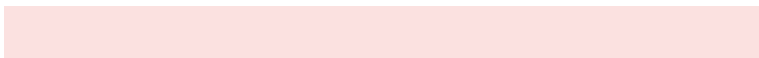
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7996, 0.3120, 0.3451



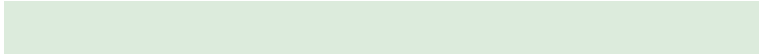
79.7996, 0.2944, 0.3117



79.7996, 0.3319, 0.3304

Complementary

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



79.7996, 0.3120, 0.3451



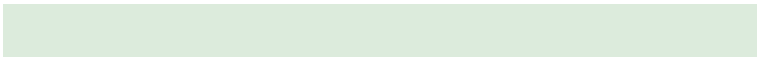
74.8227, 0.3134, 0.3134

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.



79.7996, 0.3240, 0.3209



79.7996, 0.3120, 0.3451



79.7996, 0.3023, 0.3103

Square

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



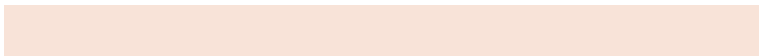
79.7996, 0.3120, 0.3451



79.7996, 0.2913, 0.3178



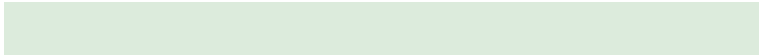
79.7996, 0.3131, 0.3136



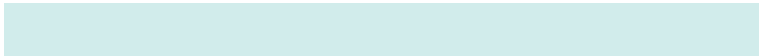
79.7996, 0.3346, 0.3396

Rectangle

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



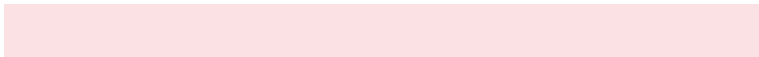
79.7996, 0.3120, 0.3451



79.7996, 0.2959, 0.3306



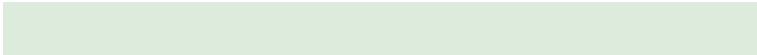
79.7996, 0.3131, 0.3136



79.7996, 0.3298, 0.3271

Sweetspot

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



79.8030, 0.3120, 0.3451



98.7251, 0.3125, 0.3339



82.1012, 0.3222, 0.3444



21.1446, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



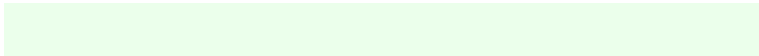
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8030, 0.3120, 0.3451



95.1027, 0.3118, 0.3495



80.1871, 0.3075, 0.3372



16.8650, 0.3116, 0.3533



33.0726, 0.3001, 0.5999



2.5980, 0.3003, 0.5997

Inverse Universe

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



74.8227, 0.3134, 0.3134



87.6528, 0.3136, 0.3093



74.4214, 0.3183, 0.3209



15.3106, 0.3137, 0.3058



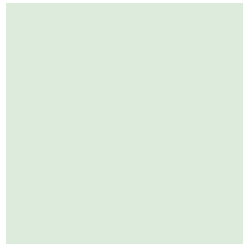
13.0828, 0.3200, 0.1536



1.0283, 0.3201, 0.1537

Previews

White Background



This preview shows how the Yxy color 79.7996, 0.3120, 0.3451 looks on a white background.

Color Contrast Check

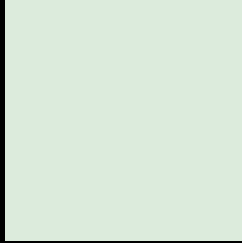
Large Text (above 18pt) WCAG AA × Fail

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 79.7996, 0.3120, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

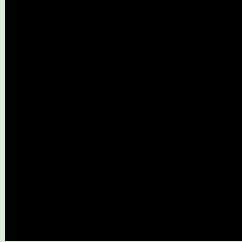
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

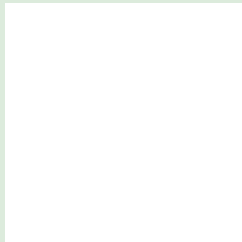
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7996, 0.3120, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 79.7996, 0.3120, 0.3451.

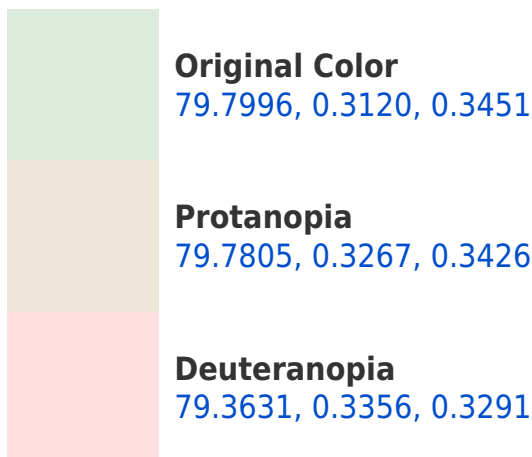


This preview shows how white text looks on a background with the Yxy color 79.7996, 0.3120, 0.3451.

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

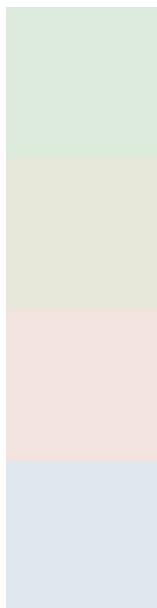




Tritanopia

79.9989, 0.2977, 0.3104

Trichromacy



Original Color

79.7996, 0.3120, 0.3451

Protanomaly

79.7641, 0.3209, 0.3438

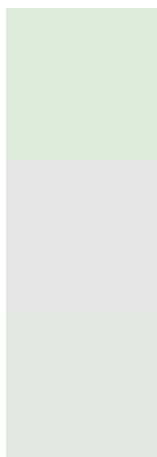
Deuteranomaly

79.0893, 0.3265, 0.3342

Tritanomaly

79.5742, 0.3030, 0.3227

Monochromacy



Original Color

79.7996, 0.3120, 0.3451

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.8116, 0.3125, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7996, 0.3120, 0.3451 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, 235, 220)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 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(220, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 220) }
```

Border

The CSS property to change the border of an element to Yxy 79.7996, 0.3120, 0.3451 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, 235, 220) }
```

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

```
.border{ border-color:rgb(220, 235, 220) }
```

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

Here you see how a box with a 4 pixel rgb(220, 235, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7996, 0.3120, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 220) }
```

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

```
.background{ background-color: rgb(220,  
235, 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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