

Converting Colors

Yxy(78.4833, 0.3196, 0.3439)

Have a look what the booklet for
Yxy(78.4833, 0.3196, 0.3439)
contains.

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Color

Yxy(78.6556, 0.3196, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	E4E7D9
RGB	228, 231, 217
RGB Percent	89%, 91%, 85%
CMY	0.1058, 0.0941, 0.1491
CMYK	0.01, 0.00, 0.06, 0.09
HSL	73°, 23%, 88%
HSV	73°, 6%, 91%
XYZ	73.0978, 78.6556, 76.9631
YIQ	228.5070, 2.7060, -4.9900

Conversions

Conversions Part 2

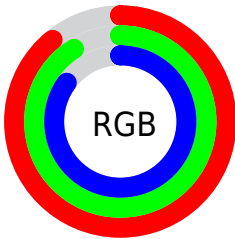
Format	Color
R _Y B	217, 231, 220
Decimal	15001561
CIE Lab	91.08, -3.45, 6.46
CIE LCh	91, 7.322, 118.076
Yxy	78.6556, 0.3196, 0.3439
Android (android.graphics.Color)	4293191641 (0xFFE4E7D9)
YUV	228.5070, -5.6730, -0.4446
Hunter-Lab	88.6880, -8.0820, 10.6300

Details

The Yxy color **78.6556, 0.3196, 0.3439** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **70.5976, 0.3056, 0.3138**, and the grayscale version is **78.0178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1528, 0.3217, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **76.7475, 0.3311, 0.3696**, and if you desaturate by 10%, it is **80.7617, 0.3083, 0.3197**.

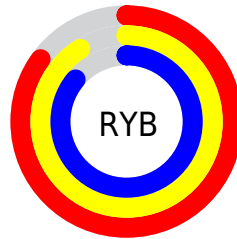
Distribution



Red (89%)

Green (91%)

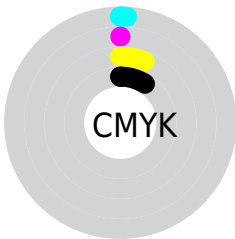
Blue (85%)



Red (85%)

Yellow (91%)

Blue (86%)

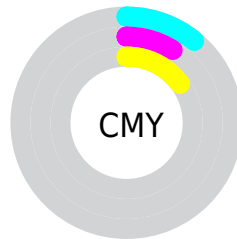


Cyan (1%)

Magenta (0%)

Yellow (6%)

Black (9%)



Cyan (11%)

Magenta (9%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6556, 0.3196, 0.3439 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 78.6556, 0.3196, 0.3439 by changing the saturation by 10% instead.

■ 78.6556, 0.3196,
0.3439

■ 78.6556, 0.3196,
0.3439

490.3905, 0.3165,
0.3371

■ 58.6127, 0.3203,
0.3455

131.4739, 0.3185,
0.3415

■ 42.3014, 0.3212,
0.3474

165.0181, 0.3181,
0.3406

■ 29.3374, 0.3222,
0.3498

203.8315, 0.3177,
0.3398

■ 19.3362, 0.3236,
0.3530

248.2985, 0.3174,
0.3391

■ 11.9135, 0.3255,
0.3572

298.8035, 0.3171,
0.3385

■ 6.6848, 0.3281,
0.3634

355.7309, 0.3169,

■ 3.2658, 0.3320,

0.3380

0.3730

419.4651, 0.3167,
0.3375

■ 1.2720, 0.3389,
0.3901

■ 0.1194, 0.1973,
0.8027

■ 78.6556, 0.3196,
0.3439

■ 78.6556, 0.3196,
0.3439

■ 76.7475, 0.3311,
0.3696

■ 80.7617, 0.3083,
0.3197

■ 75.0199, 0.3426,
0.3961


■ 82.5237, 0.3024,
0.3050


■ 73.4686, 0.3536,
0.4229


■ 83.3852, 0.3057,
0.3052


■ 72.0855, 0.3635,
0.4490

■ 84.2702, 0.3089,
0.3055


 70.8616, 0.3720,
0.4732


 85.1787, 0.3122,
0.3057

 69.7871, 0.3784,
0.4945

 85.6328, 0.3138,
0.3058

 68.8507, 0.3823,
0.5119

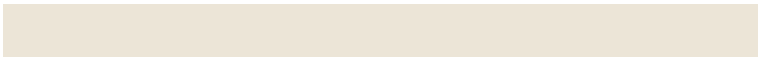
 68.0395, 0.3837,
0.5247

 67.3376, 0.3825,
0.5328

Harmonies

Analogous

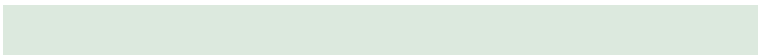
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6556, 0.3264, 0.3429



78.6556, 0.3196, 0.3439



78.6556, 0.3110, 0.3408

Triad

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



78.6556, 0.3196, 0.3439



78.6556, 0.2962, 0.3196



78.6556, 0.3225, 0.3237

Complementary

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



78.6556, 0.3196, 0.3439



70.5976, 0.3056, 0.3138

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.



78.6556, 0.3143, 0.3176



78.6556, 0.3196, 0.3439



78.6556, 0.2991, 0.3152

Square

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



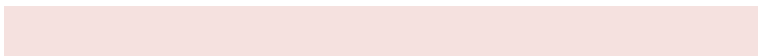
78.6556, 0.3196, 0.3439



78.6556, 0.2975, 0.3266



78.6556, 0.3057, 0.3146



78.6556, 0.3281, 0.3311

Rectangle

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



78.6556, 0.3196, 0.3439



78.6556, 0.3054, 0.3368



78.6556, 0.3057, 0.3146



78.6556, 0.3199, 0.3214

Sweetspot

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



78.6590, 0.3196, 0.3439



99.4707, 0.3150, 0.3339



73.0732, 0.3227, 0.3320



21.2964, 0.3149, 0.3336



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.



78.6590, 0.3196, 0.3439



98.1901, 0.3207, 0.3463



77.5637, 0.3149, 0.3441



16.7335, 0.3213, 0.3477



37.6616, 0.3823, 0.5347



2.8218, 0.3879, 0.5302

Inverse Universe

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



70.5976, 0.3056, 0.3138



86.5668, 0.3044, 0.3113



71.6850, 0.3104, 0.3141



14.6100, 0.3037, 0.3100



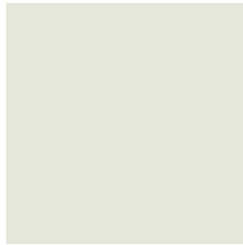
3.6460, 0.1611, 0.0661



0.3091, 0.1748, 0.0737

Previews

White Background



This preview shows how the Yxy color 78.6556, 0.3196, 0.3439 looks on a white background.

Color Contrast Check

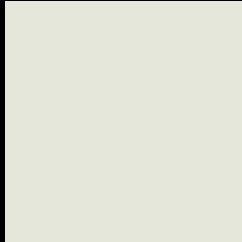
Large Text (above 18pt) WCAG AA × Fail

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 78.6556, 0.3196, 0.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

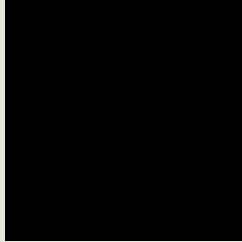
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

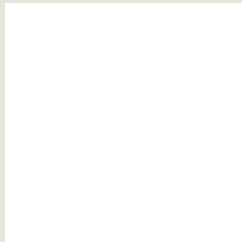
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6556, 0.3196, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 78.6556, 0.3196, 0.3439.

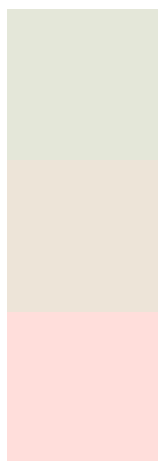


This preview shows how white text looks on a background with the Yxy color 78.6556, 0.3196, 0.3439.

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

78.6556, 0.3196, 0.3439

Protanopia

78.4492, 0.3268, 0.3416

Deuteranopia

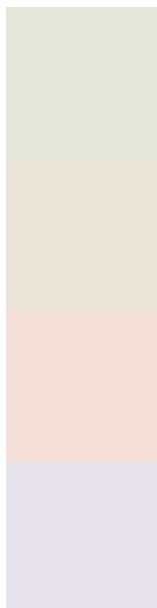
78.6170, 0.3386, 0.3321



Tritanopia

78.6865, 0.3047, 0.3105

Trichromacy



Original Color

78.6556, 0.3196, 0.3439

Protanomaly

78.4889, 0.3246, 0.3427

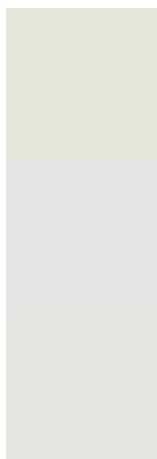
Deuteranomaly

78.3249, 0.3316, 0.3362

Tritanomaly

78.4739, 0.3103, 0.3217

Monochromacy



Original Color

78.6556, 0.3196, 0.3439

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.6879, 0.3152, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6556, 0.3196, 0.3439 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(228, 231, 217)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 217)  
}
```

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(228, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.6556, 0.3196, 0.3439 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(228, 231, 217) }
```

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

```
.border{ border-color:rgb(228, 231, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 231, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6556, 0.3196, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 231, 217) }
```

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

```
.background{ background-color: rgb(228,  
231, 217) }
```

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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