

Converting Colors

$Yxy(78.0206, 0.3293, 0.3461)$

Have a look what the booklet for
Yxy(78.0206, 0.3293, 0.3461)
contains.

Yxy(78.0731, 0.3288, 0.3459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.0731, 0.3288, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	ECE4D4
RGB	236, 228, 212
RGB Percent	93%, 89%, 83%
CMY	0.0745, 0.1058, 0.1688
CMYK	0.00, 0.03, 0.10, 0.07
HSL	40°, 39%, 88%
HSV	40°, 10%, 93%
XYZ	74.2135, 78.0731, 73.4235
YIQ	228.5680, 9.9040, -3.2800

Conversions

Conversions Part 2

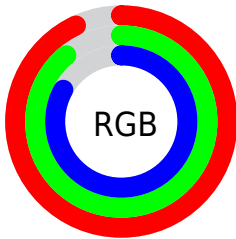
Format	Color
R _Y B	224, 236, 212
Decimal	15525076
CIE Lab	90.81, 0.02, 8.78
CIE LCh	91, 8.777, 89.901
Yxy	78.0731, 0.3288, 0.3459
Android (android.graphics.Color)	4293715156 (0xFFECE4D4)
YUV	228.5680, -8.1680, 6.5179
Hunter-Lab	88.3590, -4.7046, 12.5832

Details

The Yxy color **78.0731, 0.3288, 0.3459** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2073, 0.2969, 0.3115**, and the grayscale version is **78.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0248, 0.3327, 0.3508** is the 20% darker color. If you saturate the color by 10%, you get **72.7552, 0.3462, 0.3633**, and if you desaturate by 10%, it is **83.7675, 0.3130, 0.3293**.

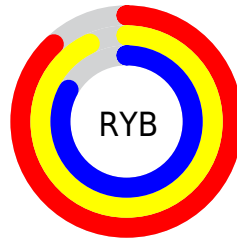
Distribution



Red (93%)

Green (89%)

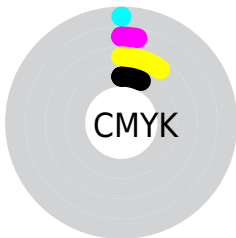
Blue (83%)



Red (88%)

Yellow (93%)

Blue (83%)

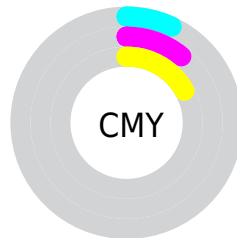


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0731, 0.3288, 0.3459 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 78.0731, 0.3288, 0.3459 by changing the saturation by 10% instead.

■ 78.0731, 0.3288,
0.3459

■ 78.0731, 0.3288,
0.3459

488.4150, 0.3214,
0.3382

■ 58.1340, 0.3305,
0.3476

130.6532, 0.3263,
0.3432

■ 41.9164, 0.3325,
0.3498

164.0629, 0.3253,
0.3422

■ 29.0358, 0.3351,
0.3525

202.7318, 0.3244,
0.3413

■ 19.1079, 0.3384,
0.3560

247.0440, 0.3237,
0.3405

■ 11.7483, 0.3429,
0.3607

297.3840, 0.3230,
0.3398

■ 6.5725, 0.3493,
0.3674

354.1363, 0.3224,

■ 3.1962, 0.3591,

0.3392

0.3777

417.6852, 0.3219,
0.3387

■ 1.2350, 0.3789,
0.3985

■ 0.0900, 0.4884,
0.5116

■ 78.0731, 0.3288,
0.3459

■ 78.0731, 0.3288,
0.3459

■ 72.7552, 0.3462,
0.3633

■ 83.7675, 0.3130,
0.3293

■ 67.7935, 0.3652,
0.3810

■ 89.5664, 0.3012,
0.3177

■ 63.1806, 0.3855,
0.3985

■ 94.3769, 0.3011,
0.3255

■ 58.9053, 0.4066,
0.4149

■ 96.5714, 0.3011,
0.3290

■ 54.9551, 0.4278,
0.4293

■ 51.3166, 0.4481,
0.4403

■ 47.9747, 0.4665,
0.4470

■ 44.9120, 0.4820,
0.4486

■ 42.1489, 0.4943,
0.4457

Harmonies

Analogous

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



78.0731, 0.3329, 0.3404



78.0731, 0.3288, 0.3459



78.0731, 0.3204, 0.3469

Triad

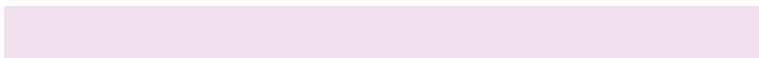
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0731, 0.3288, 0.3459



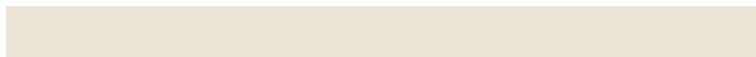
78.0731, 0.2943, 0.3255



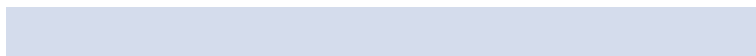
78.0731, 0.3152, 0.3157

Complementary

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



78.0731, 0.3288, 0.3459



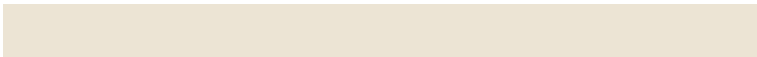
71.2073, 0.2969, 0.3115

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.



78.0731, 0.3049, 0.3118



78.0731, 0.3288, 0.3459



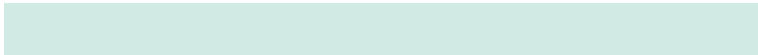
78.0731, 0.2929, 0.3172

Square

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



78.0731, 0.3288, 0.3459



78.0731, 0.3005, 0.3349



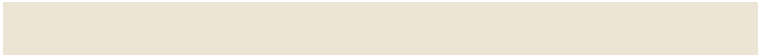
78.0731, 0.2968, 0.3123



78.0731, 0.3250, 0.3231

Rectangle

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



78.0731, 0.3288, 0.3459



78.0731, 0.3135, 0.3447



78.0731, 0.2968, 0.3123



78.0731, 0.3117, 0.3140

Sweetspot

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



78.0765, 0.3288, 0.3459



97.9064, 0.3173, 0.3339



70.0687, 0.3250, 0.3206



20.8377, 0.3185, 0.3352



0.0000, 0.0000, 0.0000



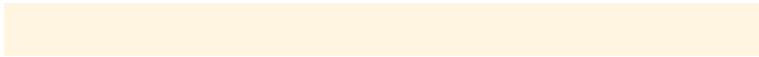
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0765, 0.3288, 0.3459



91.8687, 0.3319, 0.3491



81.8918, 0.3251, 0.3543



16.7349, 0.3276, 0.3447



23.4824, 0.4928, 0.4469



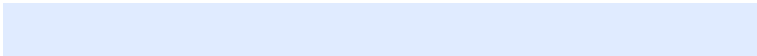
2.0193, 0.4801, 0.4570

Inverse Universe

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



71.2073, 0.2969, 0.3115



82.2990, 0.2938, 0.3081



67.7215, 0.2996, 0.3029



15.3664, 0.2980, 0.3128



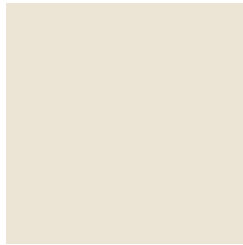
6.5848, 0.1633, 0.1079



0.6879, 0.1710, 0.1355

Previews

White Background



This preview shows how the Yxy color 78.0731, 0.3288, 0.3459 looks on a white background.

Color Contrast Check

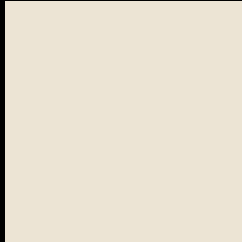
Large Text (above 18pt) WCAG AA × Fail

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 78.0731, 0.3288, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

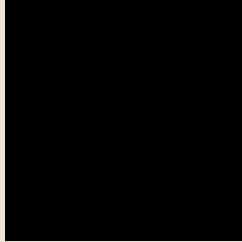
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

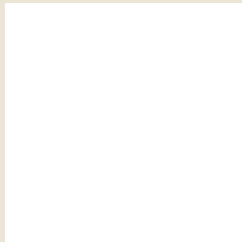
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0731, 0.3288, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 78.0731, 0.3288, 0.3459.

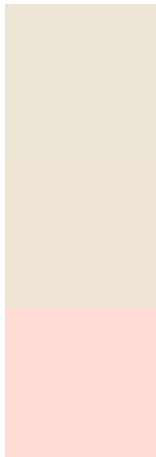


This preview shows how white text looks on a background with the Yxy color 78.0731, 0.3288, 0.3459.

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

78.0731, 0.3288, 0.3459

Protanopia

78.2448, 0.3295, 0.3458

Deuteranopia

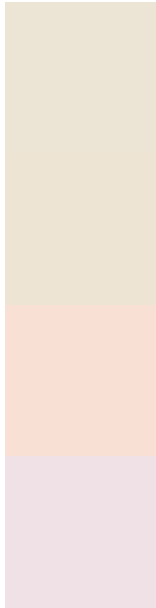
77.8279, 0.3422, 0.3362



Tritanopia

78.1874, 0.3128, 0.3117

Trichromacy



Original Color

78.0731, 0.3288, 0.3459

Protanomaly

78.2448, 0.3295, 0.3458

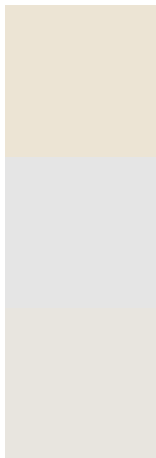
Deuteranomaly

78.0719, 0.3373, 0.3403

Tritanomaly

77.9143, 0.3193, 0.3239

Monochromacy



Original Color

78.0731, 0.3288, 0.3459

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.5221, 0.3186, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0731, 0.3288, 0.3459 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(236, 228, 212)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 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(236, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 212) }
```

Border

The CSS property to change the border of an element to Yxy 78.0731, 0.3288, 0.3459 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(236, 228, 212) }
```

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

```
.border{ border-color:rgb(236, 228, 212) }
```

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

Here you see how a box with a 4 pixel rgb(236, 228, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0731, 0.3288, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 212) }
```

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

```
.background{ background-color: rgb(236,  
228, 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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