

Converting Colors

Yxy(78.0043, 0.3299, 0.3481)

Have a look what the booklet for
Yxy(78.0043, 0.3299, 0.3481)
contains.

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Color

Yxy(77.9728, 0.3301, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	ECE4D2
RGB	236, 228, 210
RGB Percent	93%, 89%, 82%
CMY	0.0746, 0.1058, 0.1765
CMYK	0.00, 0.03, 0.11, 0.07
HSL	42°, 41%, 87%
HSV	42°, 11%, 93%
XYZ	73.9621, 77.9728, 72.1248
YIQ	228.3400, 10.5460, -3.9020

Conversions

Conversions Part 2

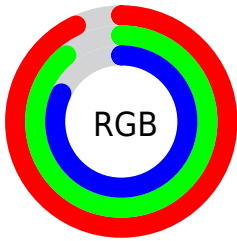
Format	Color
RYB	222, 236, 210
Decimal	15525074
CIELab	90.77, -0.31, 9.74
CIELCh	91, 9.744, 91.811
Yxy	77.9728, 0.3301, 0.3480
Android (android.graphics.Color)	4293715154 (0xFFECE4D2)
YUV	228.3400, -9.0416, 6.7178
Hunter-Lab	88.3022, -5.0169, 13.3837

Details

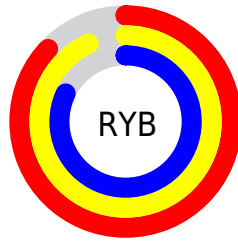
The Yxy color **77.9728, 0.3301, 0.3480** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8808, 0.2955, 0.3093**, and the grayscale version is **77.9065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9907, 0.3336, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **72.9878, 0.3475, 0.3661**, and if you desaturate by 10%, it is **83.3046, 0.3142, 0.3307**.

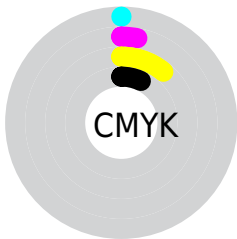
Distribution



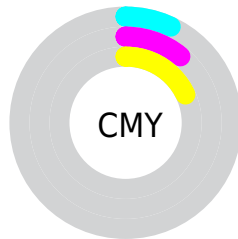
- Red (93%)
- Green (89%)
- Blue (82%)



- Red (87%)
- Yellow (93%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9728, 0.3301, 0.3480 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 77.9728, 0.3301, 0.3480 by changing the saturation by 10% instead.

■ 77.9728, 0.3301,
0.3480

■ 77.9728, 0.3301,
0.3480

488.0744, 0.3222,
0.3393

■ 58.0516, 0.3319,
0.3500

130.5118, 0.3274,
0.3450

■ 41.8502, 0.3341,
0.3524

163.8984, 0.3263,
0.3438

■ 28.9840, 0.3369,
0.3554

202.5423, 0.3254,
0.3428

■ 19.0687, 0.3405,
0.3594

246.8278, 0.3246,
0.3419

■ 11.7199, 0.3453,
0.3647

297.1394, 0.3238,
0.3412

■ 6.5533, 0.3522,
0.3723

353.8614, 0.3232,

■ 3.1843, 0.3627,

0.3405

0.3839

417.3783, 0.3227,
0.3399

■ 1.2287, 0.3856,
0.4090

■ 0.0850, 0.4629,
0.5371

■ 77.9728, 0.3301,
0.3480

■ 77.9728, 0.3301,
0.3480

■ 72.9878, 0.3475,
0.3661

■ 83.3046, 0.3142,
0.3307

■ 68.3298, 0.3663,
0.3844

■ 88.8398, 0.3012,
0.3165

■ 63.9920, 0.3862,
0.4024

■ 93.2429, 0.3011,
0.3238

■ 59.9636, 0.4066,
0.4192

■ 96.5687, 0.3011,
0.3290

■ 56.2328, 0.4268,
0.4338

■ 52.7865, 0.4460,
0.4450

■ 49.6103, 0.4630,
0.4517

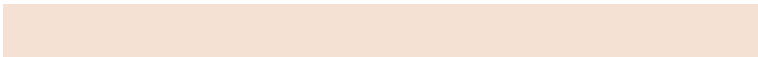
■ 46.6869, 0.4771,
0.4535

■ 44.2503, 0.4874,
0.4512

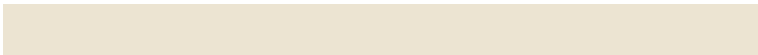
Harmonies

Analogous

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



77.9728, 0.3351, 0.3421



77.9728, 0.3301, 0.3480



77.9728, 0.3205, 0.3487

Triad

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



77.9728, 0.3301, 0.3480



77.9728, 0.2920, 0.3244



77.9728, 0.3162, 0.3147

Complementary

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



77.9728, 0.3301, 0.3480



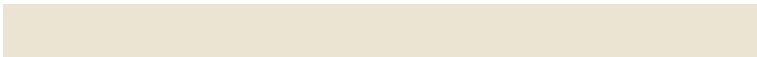
69.8808, 0.2955, 0.3093

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.



77.9728, 0.3047, 0.3101



77.9728, 0.3301, 0.3480



77.9728, 0.2909, 0.3154

Square

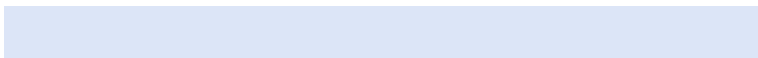
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9728, 0.3301, 0.3480



77.9728, 0.2986, 0.3349



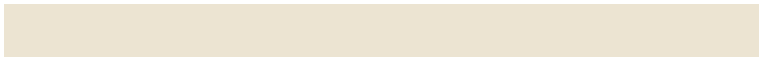
77.9728, 0.2955, 0.3102



77.9728, 0.3270, 0.3231

Rectangle

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



77.9728, 0.3301, 0.3480



77.9728, 0.3128, 0.3461



77.9728, 0.2955, 0.3102



77.9728, 0.3123, 0.3127

Sweetspot

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



77.9762, 0.3301, 0.3480



98.0299, 0.3173, 0.3341



68.9966, 0.3264, 0.3203



20.8711, 0.3185, 0.3355



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.



77.9762, 0.3301, 0.3480



91.7327, 0.3335, 0.3517



81.6548, 0.3258, 0.3564



16.8024, 0.3275, 0.3453



24.6366, 0.4860, 0.4523



2.1034, 0.4745, 0.4614

Inverse Universe

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



69.8808, 0.2955, 0.3093



80.4459, 0.2922, 0.3053



66.5601, 0.2987, 0.3006



15.3020, 0.2980, 0.3122



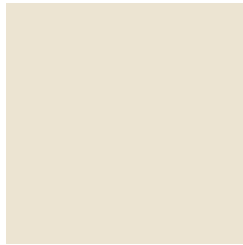
6.1184, 0.1615, 0.1015



0.6451, 0.1691, 0.1289

Previews

White Background



This preview shows how the Yxy color 77.9728, 0.3301, 0.3480 looks on a white background.

Color Contrast Check

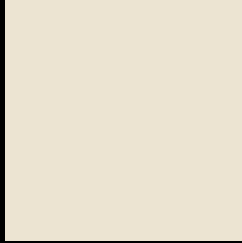
Large Text (above 18pt) WCAG AA × Fail

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 77.9728, 0.3301, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

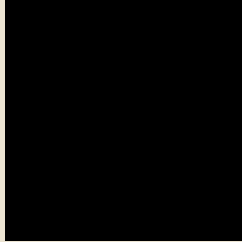
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

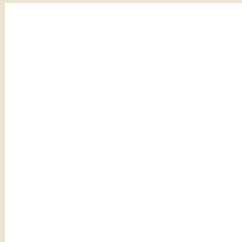
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9728, 0.3301, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 77.9728, 0.3301, 0.3480.

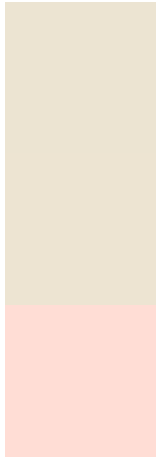


This preview shows how white text looks on a background with the Yxy color 77.9728, 0.3301, 0.3480.

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

77.9728, 0.3301, 0.3480

Protanopia

78.1445, 0.3308, 0.3479

Deuteranopia

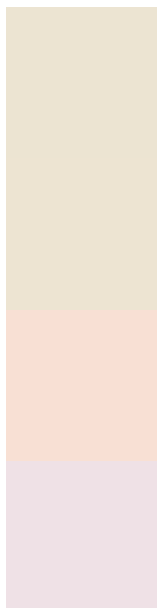
77.7770, 0.3429, 0.3372



Tritanopia

77.6515, 0.3129, 0.3107

Trichromacy



Original Color

77.9728, 0.3301, 0.3480

Protanomaly

78.1445, 0.3308, 0.3479

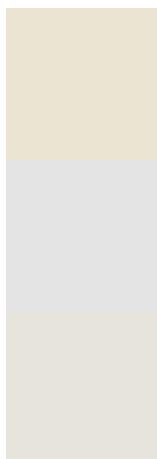
Deuteranomaly

78.0212, 0.3380, 0.3414

Tritanomaly

77.9143, 0.3193, 0.3239

Monochromacy



Original Color

77.9728, 0.3301, 0.3480

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6962, 0.3193, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9728, 0.3301, 0.3480 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 210) }
```

Border

The CSS property to change the border of an element to Yxy 77.9728, 0.3301, 0.3480 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, 210) }
```

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

```
.border{ border-color:rgb(236, 228, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 210);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9728, 0.3301, 0.3480 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, 210) }
```

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

```
.background{ background-color: rgb(236,  
228, 210) }
```

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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