

Converting Colors

$Yxy(78.1494, 0.3344, 0.3584)$

Have a look what the booklet for
Yxy(78.1494, 0.3344, 0.3584)
contains.

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Color

Yxy(77.9651, 0.3346, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	EBE5CA
RGB	235, 229, 202
RGB Percent	92%, 90%, 79%
CMY	0.0786, 0.1019, 0.2079
CMYK	0.00, 0.03, 0.14, 0.08
HSL	49°, 45%, 86%
HSV	49°, 14%, 92%
XYZ	72.9302, 77.9651, 67.0670
YIQ	227.7160, 12.2430, -7.1250

Conversions

Conversions Part 2

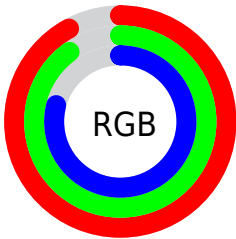
Format	Color
R _Y B	209, 235, 202
Decimal	15459786
CIE Lab	90.76, -2.44, 13.91
CIE LCh	91, 14.120, 99.958
Yxy	77.9651, 0.3346, 0.3577
Android (android.graphics.Color)	4293649866 (0xFFE5C9)
YUV	227.7160, -12.6780, 6.3881
Hunter-Lab	88.2978, -7.0880, 16.7745

Details

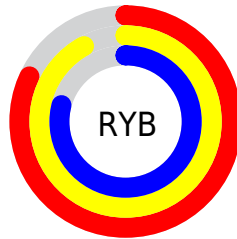
The Yxy color $77.9651, 0.3346, 0.3577$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $63.6249, 0.2904, 0.2986$, and the grayscale version is $77.4502, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.9939, 0.3394, 0.3648$ is the 20% darker color. If you saturate the color by 10%, you get $74.6229, 0.3514, 0.3789$, and if you desaturate by 10%, it is $81.5408, 0.3188, 0.3371$.

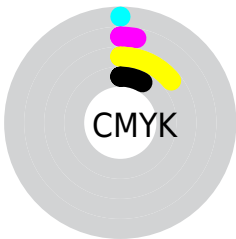
Distribution



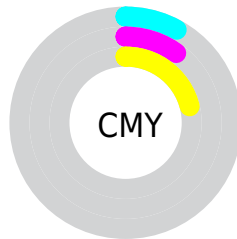
- Red (92%)
- Green (90%)
- Blue (79%)



- Red (82%)
- Yellow (92%)
- Blue (79%)



- Cyan (0%)
- Magenta (3%)
- Yellow (14%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9651, 0.3346, 0.3577 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 77.9651, 0.3346, 0.3577 by changing the saturation by 10% instead.

■ 77.9651, 0.3346,
0.3577

■ 77.9651, 0.3346,
0.3577

488.0483, 0.3246,
0.3445

■ 58.0453, 0.3368,
0.3607

130.5009, 0.3312,
0.3531

■ 41.8451, 0.3396,
0.3644

163.8857, 0.3298,
0.3514

■ 28.9800, 0.3430,
0.3690

202.5277, 0.3287,
0.3498

■ 19.0657, 0.3475,
0.3750

246.8112, 0.3277,
0.3485

■ 11.7178, 0.3534,
0.3832

297.1206, 0.3268,
0.3473

■ 6.5518, 0.3617,
0.3947

353.8403, 0.3260,

■ 3.1834, 0.3741,

0.3463

417.3547, 0.3253,
0.3454

0.4124

1.2282, 0.4134,
0.4638

0.0846, 0.1972,
0.8028

77.9651, 0.3346,
0.3577

77.9651, 0.3346,
0.3577

74.6229, 0.3514,
0.3789

81.5408, 0.3188,
0.3371

71.4959, 0.3687,
0.4000

85.3473, 0.3041,
0.3174

68.5790, 0.3862,
0.4203

88.2186, 0.3005,
0.3157

65.8626, 0.4032,
0.4388

90.7659, 0.3005,
0.3200

■ 63.3367, 0.4190,
0.4545

■ 93.3720, 0.3005,
0.3242

■ 60.9896, 0.4327,
0.4663

■ 96.0373, 0.3005,
0.3284

■ 58.8080, 0.4438,
0.4737

■ 96.3964, 0.3005,
0.3290

■ 56.7759, 0.4520,
0.4764

■ 55.6212, 0.4558,
0.4763

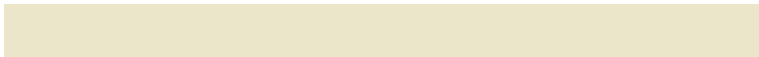
Harmonies

Analogous

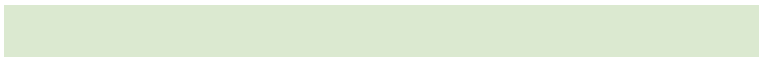
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9651, 0.3440, 0.3508



77.9651, 0.3346, 0.3577



77.9651, 0.3194, 0.3567

Triad

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



77.9651, 0.3346, 0.3577



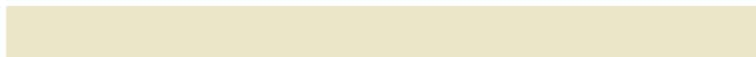
77.9651, 0.2816, 0.3182



77.9651, 0.3222, 0.3113

Complementary

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



77.9651, 0.3346, 0.3577



63.6249, 0.2904, 0.2986

Split Complementary

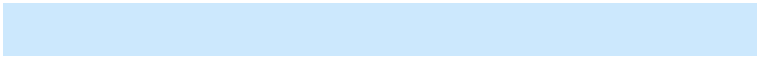
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9651, 0.3054, 0.3030



77.9651, 0.3346, 0.3577



77.9651, 0.2822, 0.3065

Square

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



77.9651, 0.3346, 0.3577



77.9651, 0.2890, 0.3334



77.9651, 0.2908, 0.3012



77.9651, 0.3368, 0.3241

Rectangle

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



77.9651, 0.3346, 0.3577



77.9651, 0.3082, 0.3515



77.9651, 0.2908, 0.3012



77.9651, 0.3166, 0.3079

Sweetspot

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



77.9685, 0.3346, 0.3577



98.1926, 0.3188, 0.3370



64.4423, 0.3341, 0.3225



20.9456, 0.3199, 0.3386



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.



77.9685, 0.3346, 0.3577



92.6301, 0.3396, 0.3641



79.5910, 0.3264, 0.3646



17.1381, 0.3272, 0.3482



31.1378, 0.4551, 0.4768



2.5654, 0.4493, 0.4815

Inverse Universe

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



63.6249, 0.2904, 0.2986



72.0715, 0.2852, 0.2913



62.2869, 0.2977, 0.2925



14.9881, 0.2980, 0.3091



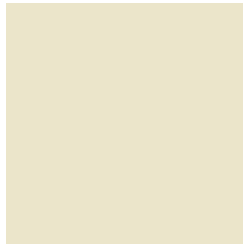
4.4062, 0.1547, 0.0767



0.4717, 0.1611, 0.1000

Previews

White Background



This preview shows how the Yxy color 77.9651, 0.3346, 0.3577 looks on a white background.

Color Contrast Check

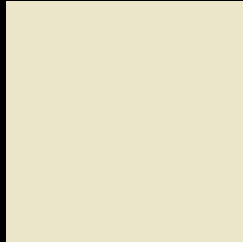
Large Text (above 18pt) WCAG AA × Fail

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 77.9651, 0.3346, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

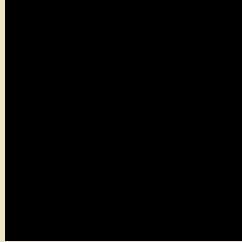
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

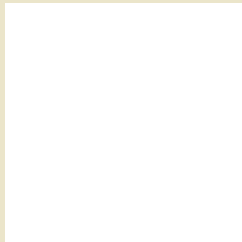
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9651, 0.3346, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 77.9651, 0.3346, 0.3577.



This preview shows how white text looks on a background with the Yxy color 77.9651, 0.3346, 0.3577.

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

77.9651, 0.3346, 0.3577

Protanopia

78.0546, 0.3383, 0.3574

Deuteranopia

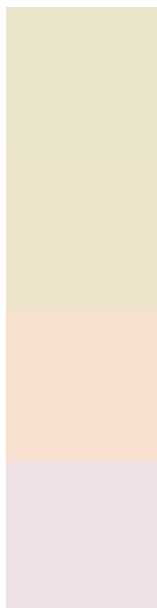
78.0566, 0.3463, 0.3433



Tritanopia

77.6515, 0.3129, 0.3107

Trichromacy



Original Color

77.9651, 0.3346, 0.3577

Protanomaly

77.8810, 0.3376, 0.3575

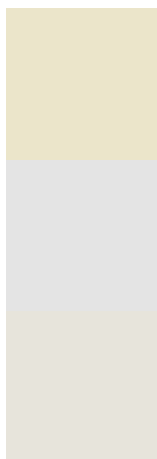
Deuteranomaly

78.2631, 0.3420, 0.3486

Tritanomaly

77.5736, 0.3205, 0.3270

Monochromacy



Original Color

77.9651, 0.3346, 0.3577

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5902, 0.3206, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9651, 0.3346, 0.3577 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(235, 229, 202)` looks like.

```
.text, #text, p{  
    color:rgb(235, 229, 202)  
}
```

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(235, 229, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 229, 202) }
```

Border

The CSS property to change the border of an element to Yxy 77.9651, 0.3346, 0.3577 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(235, 229, 202) }
```

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

```
.border{ border-color:rgb(235, 229, 202) }
```

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

Here you see how a box with a 4 pixel rgb(235, 229, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 229, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 229, 202);  
box-shadow:4px 4px 4px 4px rgb(235, 229,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9651, 0.3346, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 229, 202) }
```

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

```
.background{ background-color: rgb(235,  
229, 202) }
```

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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