

Converting Colors

$Yxy(77.8687, 0.3410, 0.3617)$

Have a look what the booklet for
Yxy(77.8687, 0.3410, 0.3617)
contains.

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Color

Yxy(77.8687, 0.3410, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	EFE4C5
RGB	239, 228, 197
RGB Percent	94%, 89%, 77%
CMY	0.0629, 0.1058, 0.2273
CMYK	0.00, 0.05, 0.18, 0.06
HSL	44°, 57%, 85%
HSV	44°, 18%, 94%
XYZ	73.4123, 77.8687, 64.0043
YIQ	227.7550, 16.5070, -7.3090

Conversions

Conversions Part 2

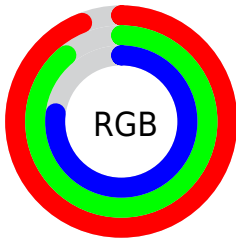
Format	Color
R _Y B	212, 239, 197
Decimal	15721669
CIE Lab	90.72, -1.25, 16.46
CIE LCh	91, 16.509, 94.327
Yxy	77.8687, 0.3410, 0.3617
Android (android.graphics.Color)	4293911749 (0xFFEFE4C5)
YUV	227.7550, -15.1622, 9.8619
Hunter-Lab	88.2432, -5.9260, 18.7662

Details

The Yxy color **77.8687, 0.3410, 0.3617** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.2103, 0.2845, 0.2940**, and the grayscale version is **77.4991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **41.9376, 0.3478, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **73.4892, 0.3589, 0.3811**, and if you desaturate by 10%, it is **82.5528, 0.3244, 0.3428**.

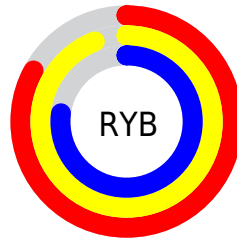
Distribution



Red (94%)

Green (89%)

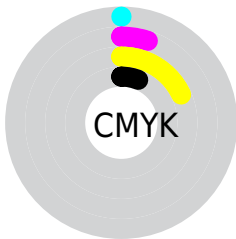
Blue (77%)



Red (83%)

Yellow (94%)

Blue (77%)

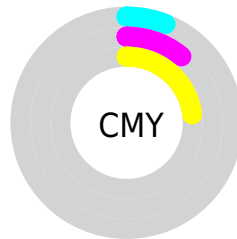


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (6%)



Cyan (6%)

Magenta (11%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8687, 0.3410, 0.3617 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 77.8687, 0.3410, 0.3617 by changing the saturation by 10% instead.

■ 77.8687, 0.3410,
0.3617

■ 77.8687, 0.3410,
0.3617

487.7208, 0.3281,
0.3467

■ 57.9661, 0.3439,
0.3651

130.3650, 0.3366,
0.3565

■ 41.7814, 0.3474,
0.3692

163.7275, 0.3348,
0.3545

■ 28.9302, 0.3519,
0.3745

202.3455, 0.3333,
0.3528

■ 19.0280, 0.3576,
0.3812

246.6033, 0.3320,
0.3513

■ 11.6905, 0.3653,
0.3903

296.8854, 0.3309,
0.3499

■ 6.5333, 0.3760,
0.4030

353.5760, 0.3298,

■ 3.1720, 0.3917,

0.3487

0.4220

417.0597, 0.3289,
0.3477

■ 1.2222, 0.4519,
0.4913

■ 0.0797, 0.3626,
0.6374

■ 77.8687, 0.3410,
0.3617

■ 77.8687, 0.3410,
0.3617

■ 73.4892, 0.3589,
0.3811

■ 82.5528, 0.3244,
0.3428

■ 69.3944, 0.3777,
0.4003

■ 87.5399, 0.3091,
0.3247

■ 65.5777, 0.3969,
0.4186

■ 91.9262, 0.3030,
0.3208

■ 62.0281, 0.4159,
0.4349

■ 95.8024, 0.3029,
0.3270

■ 58.7335, 0.4339,
0.4481

■ 97.0847, 0.3029,
0.3290

■ 55.6805, 0.4499,
0.4573

■ 52.8533, 0.4631,
0.4616

■ 50.2316, 0.4733,
0.4611

■ 49.6124, 0.4755,
0.4606

Harmonies

Analogous

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



77.8687, 0.3504, 0.3520



77.8687, 0.3410, 0.3617



77.8687, 0.3241, 0.3626

Triad

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



77.8687, 0.3410, 0.3617



77.8687, 0.2774, 0.3194



77.8687, 0.3201, 0.3061

Complementary

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



77.8687, 0.3410, 0.3617



63.2103, 0.2845, 0.2940

Split Complementary

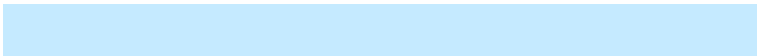
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8687, 0.3005, 0.2977



77.8687, 0.3410, 0.3617



77.8687, 0.2763, 0.3047

Square

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



77.8687, 0.3410, 0.3617



77.8687, 0.2875, 0.3375



77.8687, 0.2847, 0.2971



77.8687, 0.3382, 0.3202

Rectangle

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



77.8687, 0.3410, 0.3617



77.8687, 0.3110, 0.3576



77.8687, 0.2847, 0.2971



77.8687, 0.3135, 0.3026

Sweetspot

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



77.8722, 0.3410, 0.3617



97.0995, 0.3204, 0.3381



62.8580, 0.3378, 0.3171



20.6976, 0.3215, 0.3394



0.0000, 0.0000, 0.0000



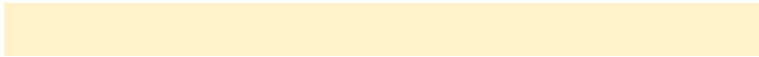
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8722, 0.3410, 0.3617



88.4170, 0.3472, 0.3685



82.4336, 0.3323, 0.3736



17.7196, 0.3275, 0.3464



27.6501, 0.4744, 0.4615



2.4607, 0.4656, 0.4685

Inverse Universe

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



63.2103, 0.2845, 0.2940



68.5233, 0.2784, 0.2861



59.4178, 0.2908, 0.2822



15.9000, 0.2980, 0.3110



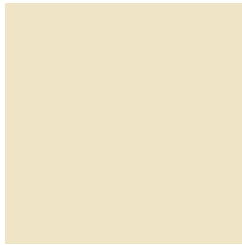
5.5540, 0.1587, 0.0912



0.6184, 0.1656, 0.1161

Previews

White Background



This preview shows how the Yxy color 77.8687, 0.3410, 0.3617 looks on a white background.

Color Contrast Check

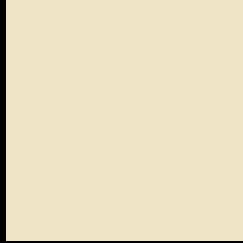
Large Text (above 18pt) WCAG AA × Fail

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 77.8687, 0.3410, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

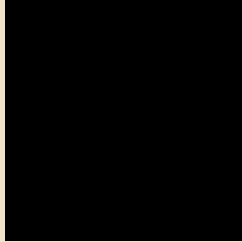
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

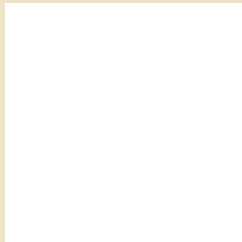
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8687, 0.3410, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 77.8687, 0.3410, 0.3617.

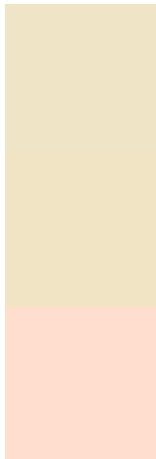


This preview shows how white text looks on a background with the Yxy color 77.8687, 0.3410, 0.3617.

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

77.8687, 0.3410, 0.3617

Protanopia

78.0433, 0.3418, 0.3616

Deuteranopia

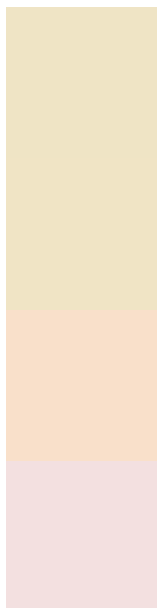
77.9103, 0.3484, 0.3463



Tritanopia

77.8870, 0.3177, 0.3119

Trichromacy



Original Color

77.8687, 0.3410, 0.3617

Protanomaly

78.0433, 0.3418, 0.3616

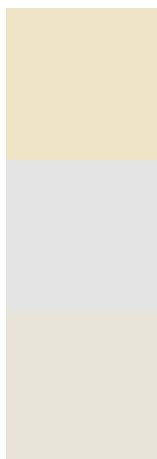
Deuteranomaly

77.7153, 0.3457, 0.3517

Tritanomaly

77.7478, 0.3262, 0.3290

Monochromacy



Original Color

77.8687, 0.3410, 0.3617

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6524, 0.3226, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8687, 0.3410, 0.3617 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(239, 228, 197)` looks like.

```
.text, #text, p{  
    color:rgb(239, 228, 197)  
}
```

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(239, 228, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 228, 197) }
```

Border

The CSS property to change the border of an element to Yxy 77.8687, 0.3410, 0.3617 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(239, 228, 197) }
```

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

```
.border{ border-color:rgb(239, 228, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 228, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 228, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 228, 197); box-shadow:4px 4px 4px 4px rgb(239, 228, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8687, 0.3410, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 228, 197) }
```

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

```
.background{ background-color: rgb(239,  
228, 197) }
```

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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