

Converting Colors

Yxy(77.0588, 0.3351, 0.3634)

Have a look what the booklet for
Yxy(77.0588, 0.3351, 0.3634)
contains.

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Color

Yxy(77.0588, 0.3351, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	E7E5C5
RGB	231, 229, 197
RGB Percent	91%, 90%, 77%
CMY	0.0940, 0.1020, 0.2276
CMYK	0.00, 0.01, 0.15, 0.09
HSL	56°, 42%, 84%
HSV	56°, 15%, 91%
XYZ	71.0578, 77.0588, 63.9329
YIQ	225.9500, 11.4640, -9.5280

Conversions

Conversions Part 2

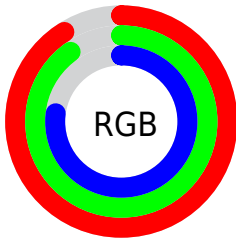
Format	Color
R _Y B	199, 231, 197
Decimal	15197637
CIE Lab	90.35, -4.60, 15.88
CIE LCh	90, 16.538, 106.161
Yxy	77.0588, 0.3351, 0.3634
Android (android.graphics.Color)	4293387717 (0xFFE7E5C5)
YUV	225.9500, -14.2724, 4.4288
Hunter-Lab	87.7831, -9.1301, 18.2670

Details

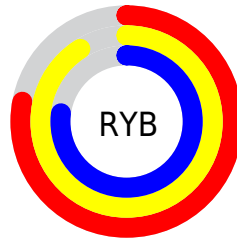
The Yxy color **77.0588, 0.3351, 0.3634** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.4882, 0.2890, 0.2921**, and the grayscale version is **76.1180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **41.3692, 0.3399, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **75.3214, 0.3509, 0.3873**, and if you desaturate by 10%, it is **78.9714, 0.3198, 0.3399**.

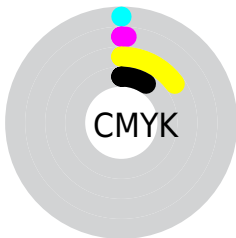
Distribution



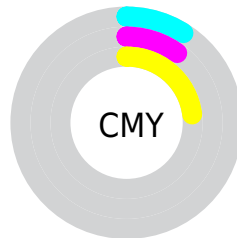
- Red (91%)
- Green (90%)
- Blue (77%)



- Red (78%)
- Yellow (91%)
- Blue (77%)



- Cyan (0%)
- Magenta (1%)
- Yellow (15%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0588, 0.3351, 0.3634 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 77.0588, 0.3351, 0.3634 by changing the saturation by 10% instead.

■ 77.0588, 0.3351,
0.3634

■ 77.0588, 0.3351,
0.3634

484.9645, 0.3249,
0.3475

■ 57.3011, 0.3374,
0.3670

129.2225, 0.3316,
0.3579

■ 41.2471, 0.3402,
0.3715

162.3973, 0.3302,
0.3557

■ 28.5122, 0.3436,
0.3772

200.8133, 0.3291,
0.3539

■ 18.7121, 0.3481,
0.3845

244.8548, 0.3280,
0.3523

■ 11.4624, 0.3541,
0.3945

294.9063, 0.3271,
0.3509

■ 6.3788, 0.3623,
0.4088

351.3521, 0.3263,

■ 3.0767, 0.3743,

0.3496

0.4306

414.5767, 0.3256,
0.3485

■ 1.1719, 0.4291,
0.5112

■ 0.0386, 0.0000,
1.0000

■ 77.0588, 0.3351,
0.3634

■ 77.0588, 0.3351,
0.3634

■ 75.3214, 0.3509,
0.3873

■ 78.9714, 0.3198,
0.3399

■ 73.7416, 0.3666,
0.4109

■ 81.0559, 0.3051,
0.3173

■ 72.3149, 0.3817,
0.4332

■ 82.5741, 0.2980,
0.3069

■ 71.0326, 0.3956,
0.4532

■ 83.3603, 0.2980,
0.3083

69.8852, 0.4077,
0.4701

84.1526, 0.2980,
0.3097

68.8618, 0.4174,
0.4830

84.9511, 0.2981,
0.3111

67.9501, 0.4245,
0.4914

85.7557, 0.2981,
0.3125

67.1347, 0.4288,
0.4956

86.5666, 0.2981,
0.3139

66.7321, 0.4303,
0.4965

87.3836, 0.2981,
0.3153

Harmonies

Analogous

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



77.0588, 0.3480, 0.3568



77.0588, 0.3351, 0.3634



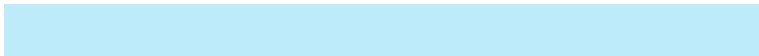
77.0588, 0.3164, 0.3603

Triad

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



77.0588, 0.3351, 0.3634



77.0588, 0.2756, 0.3128



77.0588, 0.3278, 0.3111

Complementary

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



77.0588, 0.3351, 0.3634



58.4882, 0.2890, 0.2921

Split Complementary

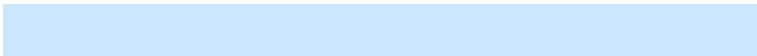
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0588, 0.3081, 0.3001



77.0588, 0.3351, 0.3634



77.0588, 0.2784, 0.3006

Square

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



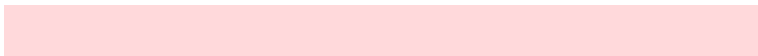
77.0588, 0.3351, 0.3634



77.0588, 0.2824, 0.3303



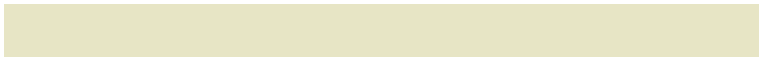
77.0588, 0.2901, 0.2962



77.0588, 0.3439, 0.3266

Rectangle

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



77.0588, 0.3351, 0.3634



77.0588, 0.3033, 0.3529



77.0588, 0.2901, 0.2962



77.0588, 0.3214, 0.3067

Sweetspot

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



77.0622, 0.3351, 0.3634



98.9717, 0.3187, 0.3382



61.0485, 0.3384, 0.3266



21.1435, 0.3198, 0.3399



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.



77.0622, 0.3351, 0.3634



95.6492, 0.3404, 0.3714



75.8423, 0.3243, 0.3667



16.6617, 0.3269, 0.3509



37.4642, 0.4301, 0.4967



2.8136, 0.4284, 0.4980

Inverse Universe

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



58.4882, 0.2890, 0.2921



67.7997, 0.2831, 0.2827



59.6477, 0.2998, 0.2909



14.0248, 0.2980, 0.3062



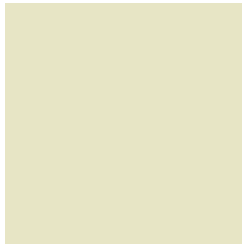
3.4665, 0.1511, 0.0639



0.3052, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 77.0588, 0.3351, 0.3634 looks on a white background.

Color Contrast Check

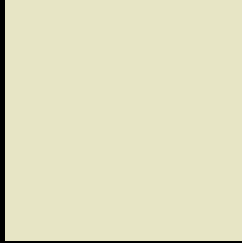
Large Text (above 18pt) WCAG AA × Fail

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 77.0588, 0.3351, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

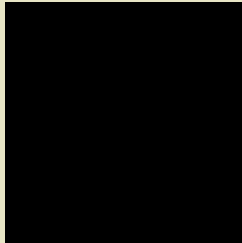
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

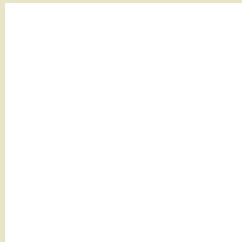
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0588, 0.3351, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 77.0588, 0.3351, 0.3634.



This preview shows how white text looks on a background with the Yxy color 77.0588, 0.3351, 0.3634.

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

77.0588, 0.3351, 0.3634

Protanopia

77.2744, 0.3419, 0.3618

Deuteranopia

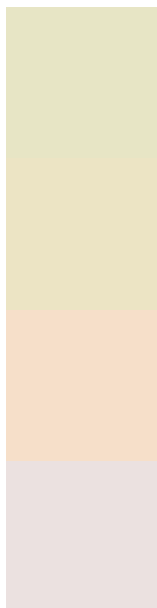
76.7582, 0.3502, 0.3464



Tritanopia

77.0711, 0.3114, 0.3116

Trichromacy



Original Color

77.0588, 0.3351, 0.3634

Protanomaly

77.3052, 0.3395, 0.3630

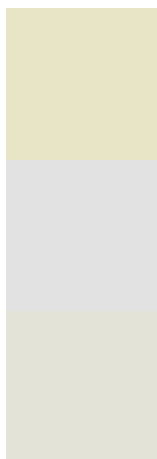
Deuteranomaly

76.5852, 0.3444, 0.3519

Tritanomaly

76.8944, 0.3204, 0.3301

Monochromacy



Original Color

77.0588, 0.3351, 0.3634

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3384, 0.3212, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0588, 0.3351, 0.3634 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(231, 229, 197)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 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(231, 229, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 197) }
```

Border

The CSS property to change the border of an element to Yxy 77.0588, 0.3351, 0.3634 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(231, 229, 197) }
```

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

```
.border{ border-color:rgb(231, 229, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 197);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0588, 0.3351, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 229, 197) }
```

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

```
.background{ background-color: rgb(231,  
229, 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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