

Converting Colors

$Y_{xy}(77.6007, 0.3433, 0.3659)$

Have a look what the booklet for
Yxy(77.6007, 0.3433, 0.3659)
contains.

Yxy(77.5142, 0.3430, 0.3661)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.5142, 0.3430, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	EEE4C1
RGB	238, 228, 193
RGB Percent	93%, 89%, 76%
CMY	0.0668, 0.1058, 0.2431
CMYK	0.00, 0.04, 0.19, 0.07
HSL	47°, 57%, 85%
HSV	47°, 19%, 93%
XYZ	72.6232, 77.5142, 61.5921
YIQ	227.0000, 17.1950, -8.7650

Conversions

Conversions Part 2

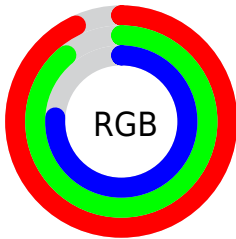
Format	Color
R _Y B	206, 238, 193
Decimal	15656129
CIE Lab	90.56, -2.20, 18.31
CIE LCh	91, 18.445, 96.837
Yxy	77.5142, 0.3430, 0.3661
Android (android.graphics.Color)	4293846209 (0xFFEEE4C1)
YUV	227.0000, -16.7620, 9.6470
Hunter-Lab	88.0421, -6.8346, 20.1517

Details

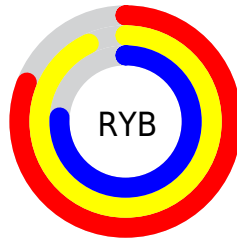
The Yxy color **77.5142, 0.3430, 0.3661** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.2096, 0.2821, 0.2889**, and the grayscale version is **76.9310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **41.6963, 0.3504, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **73.6826, 0.3606, 0.3864**, and if you desaturate by 10%, it is **81.6121, 0.3264, 0.3461**.

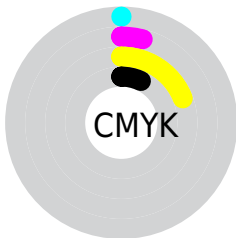
Distribution



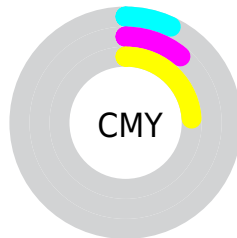
- Red (93%)
- Green (89%)
- Blue (76%)



- Red (81%)
- Yellow (93%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5142, 0.3430, 0.3661 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 77.5142, 0.3430, 0.3661 by changing the saturation by 10% instead.

■ 77.5142, 0.3430,
0.3661

■ 77.5142, 0.3430,
0.3661

486.5154, 0.3292,
0.3491

■ 57.6750, 0.3461,
0.3699

■ 129.8651, 0.3383,
0.3602

■ 41.5474, 0.3499,
0.3747

163.1455, 0.3364,
0.3579

■ 28.7471, 0.3546,
0.3806

201.6752, 0.3348,
0.3559

■ 18.8896, 0.3607,
0.3883

245.8385, 0.3334,
0.3542

■ 11.5905, 0.3688,
0.3987

296.0197, 0.3322,
0.3527

■ 6.4655, 0.3800,
0.4132

352.6034, 0.3311,

■ 3.1301, 0.3962,

0.3514

0.4348

415.9738, 0.3301,
0.3501

■ 1.2001, 0.4728,
0.5272

■ 0.0617, 0.0761,
0.9239

■ 77.5142, 0.3430,
0.3661

■ 77.5142, 0.3430,
0.3661

■ 73.6826, 0.3606,
0.3864

■ 81.6121, 0.3264,
0.3461

■ 70.0980, 0.3788,
0.4064

■ 85.9742, 0.3111,
0.3269

■ 66.7541, 0.3971,
0.4253

■ 89.9914, 0.3024,
0.3179

■ 63.6407, 0.4148,
0.4419

■ 93.2067, 0.3024,
0.3232

■ 60.7460, 0.4311,
0.4552

■ 96.5135, 0.3023,
0.3284

■ 58.0571, 0.4452,
0.4643

■ 96.9127, 0.3023,
0.3290

■ 55.5585, 0.4564,
0.4687

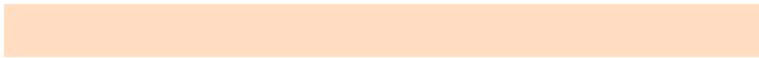
■ 53.2278, 0.4648,
0.4686

■ 52.9771, 0.4656,
0.4685

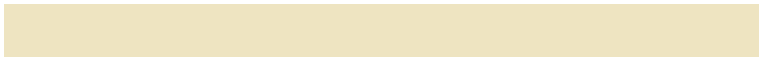
Harmonies

Analogous

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



77.5142, 0.3545, 0.3558



77.5142, 0.3430, 0.3661



77.5142, 0.3236, 0.3663

Triad

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



77.5142, 0.3430, 0.3661



77.5142, 0.2728, 0.3165



77.5142, 0.3228, 0.3046

Complementary

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



77.5142, 0.3430, 0.3661



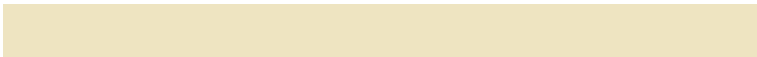
60.2096, 0.2821, 0.2889

Split Complementary

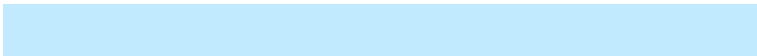
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5142, 0.3008, 0.2947



77.5142, 0.3430, 0.3661



77.5142, 0.2725, 0.3007

Square

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



77.5142, 0.3430, 0.3661



77.5142, 0.2833, 0.3367



77.5142, 0.2826, 0.2931



77.5142, 0.3427, 0.3206

Rectangle

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



77.5142, 0.3430, 0.3661



77.5142, 0.3089, 0.3601



77.5142, 0.2826, 0.2931



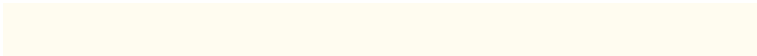
77.5142, 0.3154, 0.3005

Sweetspot

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



77.5177, 0.3430, 0.3661



96.9099, 0.3219, 0.3405



60.6538, 0.3413, 0.3177



20.6722, 0.3229, 0.3418



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.



77.5177, 0.3430, 0.3661



88.7698, 0.3503, 0.3746



81.1510, 0.3327, 0.3773



17.8302, 0.3274, 0.3473



29.7637, 0.4648, 0.4692



2.6206, 0.4576, 0.4749

Inverse Universe

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



60.2096, 0.2821, 0.2889



64.7722, 0.2746, 0.2788



57.2962, 0.2900, 0.2785



15.7965, 0.2980, 0.3101



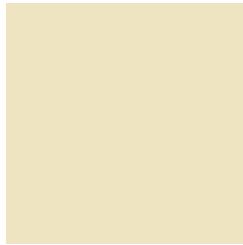
5.0074, 0.1565, 0.0835



0.5600, 0.1631, 0.1071

Previews

White Background



This preview shows how the Yxy color 77.5142, 0.3430, 0.3661 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 77.5142, 0.3430, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

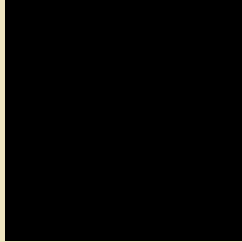
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

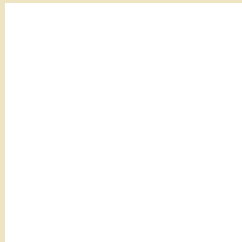
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5142, 0.3430, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 77.5142, 0.3430, 0.3661.



This preview shows how white text looks on a background with the Yxy color 77.5142, 0.3430, 0.3661.

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

77.5142, 0.3430, 0.3661

Protanopia

77.3137, 0.3447, 0.3649

Deuteranopia

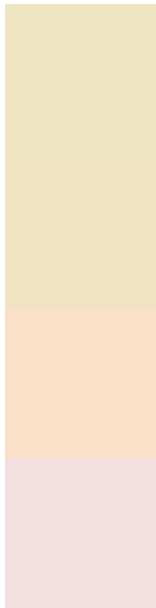
77.2372, 0.3508, 0.3484



Tritanopia

77.7076, 0.3170, 0.3118

Trichromacy



Original Color

77.5142, 0.3430, 0.3661

Protanomaly

77.1391, 0.3440, 0.3650

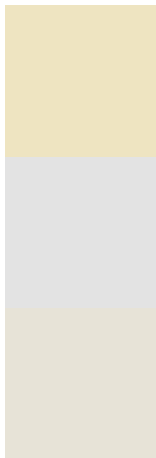
Deuteranomaly

77.5746, 0.3478, 0.3549

Tritanomaly

77.4625, 0.3268, 0.3311

Monochromacy



Original Color

77.5142, 0.3430, 0.3661

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8334, 0.3233, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5142, 0.3430, 0.3661 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(238, 228, 193)` looks like.

```
.text, #text, p{  
    color:rgb(238, 228, 193)  
}
```

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(238, 228, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 228, 193) }
```

Border

The CSS property to change the border of an element to Yxy 77.5142, 0.3430, 0.3661 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(238, 228, 193) }
```

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

```
.border{ border-color:rgb(238, 228, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 228, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 228, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 228, 193);  
box-shadow:4px 4px 4px 4px rgb(238, 228,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5142, 0.3430, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 228, 193) }
```

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

```
.background{ background-color: rgb(238,  
228, 193) }
```

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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