

Converting Colors

$Yxy(77.3603, 0.3353, 0.3705)$

Have a look what the booklet for
Yxy(77.3603, 0.3353, 0.3705)
contains.

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Color

Yxy(77.4961, 0.3352, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	E4E7C1
RGB	228, 231, 193
RGB Percent	89%, 91%, 76%
CMY	0.1060, 0.0941, 0.2432
CMYK	0.01, 0.00, 0.16, 0.09
HSL	65°, 44%, 83%
HSV	65°, 16%, 91%
XYZ	70.1883, 77.4961, 61.7079
YIQ	225.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

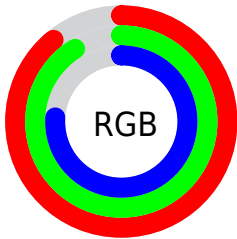
Format	Color
RYB	193, 231, 196
Decimal	15001537
CIELab	90.55, -7.33, 18.20
CIElCh	91, 19.616, 111.933
Yxy	77.4961, 0.3352, 0.3701
Android (android.graphics.Color)	4293191617 (0xFFE4E7C1)
YUV	225.7710, -16.1561, 1.9548
Hunter-Lab	88.0319, -11.7367, 20.0616

Details

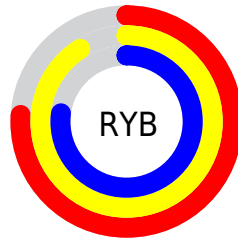
The Yxy color **77.4961, 0.3352, 0.3701** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6506, 0.2881, 0.2849**, and the grayscale version is **75.9911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **41.2947, 0.3403, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **76.2465, 0.3490, 0.3958**, and if you desaturate by 10%, it is **78.9168, 0.3214, 0.3448**.

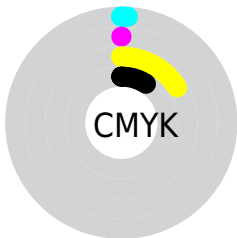
Distribution



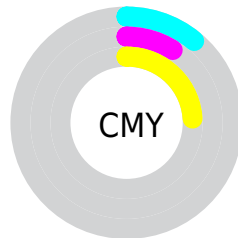
- Red (89%)
- Green (91%)
- Blue (76%)



- Red (76%)
- Yellow (91%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4961, 0.3352, 0.3701 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 77.4961, 0.3352, 0.3701 by changing the saturation by 10% instead.

■ 77.4961, 0.3352,
0.3701

■ 77.4961, 0.3352,
0.3701

486.4538, 0.3251,
0.3510

■ 57.6601, 0.3374,
0.3745

■ 129.8395, 0.3317,
0.3635

■ 41.5355, 0.3402,
0.3798

163.1158, 0.3304,
0.3609

■ 28.7377, 0.3436,
0.3867

201.6410, 0.3292,
0.3587

■ 18.8825, 0.3479,
0.3956

245.7994, 0.3282,
0.3568

■ 11.5854, 0.3535,
0.4076

295.9755, 0.3273,
0.3551

■ 6.4620, 0.3612,
0.4249

352.5537, 0.3264,

■ 3.1280, 0.3719,

0.3536

0.4513

415.9183, 0.3257,
0.3522

■ 1.1989, 0.4380,
0.5620

■ 0.0608, 0.0000,
1.0000

■ 77.4961, 0.3352,
0.3701

■ 77.4961, 0.3352,
0.3701

■ 76.2465, 0.3490,
0.3958

■ 78.9168, 0.3214,
0.3448

■ 75.1503, 0.3624,
0.4212


■ 80.5054, 0.3080,
0.3206

■ 74.2029, 0.3747,
0.4453


■ 81.7926, 0.2996,
0.3048

■ 73.3955, 0.3855,
0.4670

■ 82.1068, 0.3008,
0.3049

 72.7183, 0.3942,
0.4854

 82.4243, 0.3020,
0.3050


 72.1604, 0.4005,
0.4997


 82.7452, 0.3032,
0.3051

 71.7089, 0.4040,
0.5096

 83.0693, 0.3045,
0.3051

 71.3476, 0.4051,
0.5151

 83.3968, 0.3057,
0.3052

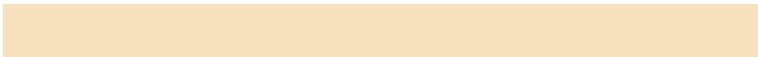
 71.2317, 0.4052,
0.5165

 83.7275, 0.3069,
0.3053

Harmonies

Analogous

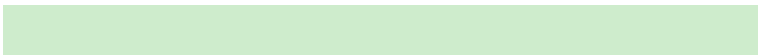
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4961, 0.3523, 0.3641



77.4961, 0.3352, 0.3701



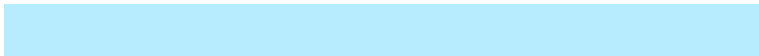
77.4961, 0.3124, 0.3642

Triad

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



77.4961, 0.3352, 0.3701



77.4961, 0.2688, 0.3063



77.4961, 0.3348, 0.3111

Complementary

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



77.4961, 0.3352, 0.3701



55.6506, 0.2881, 0.2849

Split Complementary

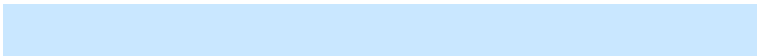
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4961, 0.3116, 0.2969



77.4961, 0.3352, 0.3701



77.4961, 0.2741, 0.2936

Square

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



77.4961, 0.3352, 0.3701



77.4961, 0.2746, 0.3261



77.4961, 0.2896, 0.2905



77.4961, 0.3523, 0.3299

Rectangle

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



77.4961, 0.3352, 0.3701



77.4961, 0.2973, 0.3542



77.4961, 0.2896, 0.2905



77.4961, 0.3274, 0.3057

Sweetspot

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



77.4995, 0.3352, 0.3701



99.0125, 0.3195, 0.3413



60.1104, 0.3436, 0.3319



21.1640, 0.3204, 0.3430



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.



77.4995, 0.3352, 0.3701



96.3725, 0.3403, 0.3795



74.6350, 0.3220, 0.3718



16.7554, 0.3255, 0.3523



39.9530, 0.4054, 0.5163



2.9699, 0.4075, 0.5146

Inverse Universe

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



55.6506, 0.2881, 0.2849



63.8284, 0.2819, 0.2740



58.2865, 0.3019, 0.2867



13.9421, 0.2993, 0.3048



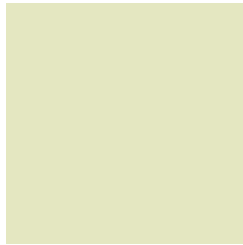
3.3303, 0.1526, 0.0615



0.2654, 0.1597, 0.0653

Previews

White Background



This preview shows how the Yxy color 77.4961, 0.3352, 0.3701 looks on a white background.

Color Contrast Check

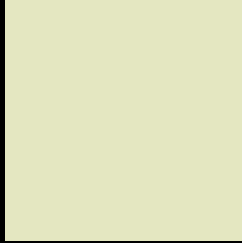
Large Text (above 18pt) WCAG AA × Fail

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 77.4961, 0.3352, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

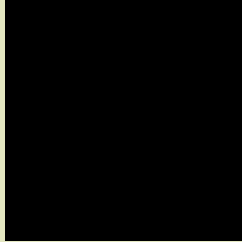
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

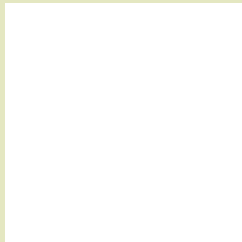
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4961, 0.3352, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 77.4961, 0.3352, 0.3701.



This preview shows how white text looks on a background with the Yxy color 77.4961, 0.3352, 0.3701.

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

77.4961, 0.3352, 0.3701

Protanopia

77.2250, 0.3461, 0.3671

Deuteranopia

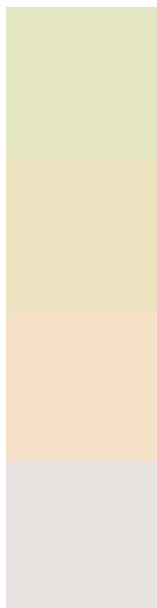
77.2372, 0.3508, 0.3484



Tritanopia

77.3843, 0.3087, 0.3105

Trichromacy



Original Color

77.4961, 0.3352, 0.3701

Protanomaly

77.1254, 0.3422, 0.3674

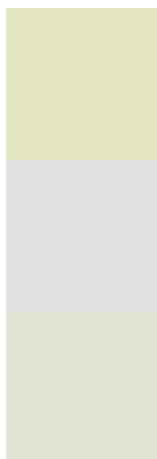
Deuteranomaly

77.3864, 0.3446, 0.3561

Tritanomaly

77.4758, 0.3181, 0.3322

Monochromacy



Original Color

77.4961, 0.3352, 0.3701

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.6727, 0.3211, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4961, 0.3352, 0.3701 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(228, 231, 193)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 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(228, 231, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 193) }
```

Border

The CSS property to change the border of an element to Yxy 77.4961, 0.3352, 0.3701 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(228, 231, 193) }
```

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

```
.border{ border-color:rgb(228, 231, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 231, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 193);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4961, 0.3352, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 231, 193) }
```

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

```
.background{ background-color: rgb(228,  
231, 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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