

Converting Colors

$Yxy(77.2116, 0.3287, 0.3564)$

Have a look what the booklet for
Yxy(77.2116, 0.3287, 0.3564)
contains.

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Color

Yxy(77.0563, 0.3290, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	E5E5CC
RGB	229, 229, 204
RGB Percent	90%, 90%, 80%
CMY	0.1019, 0.1019, 0.2001
CMYK	0.00, 0.00, 0.11, 0.10
HSL	60°, 33%, 85%
HSV	60°, 11%, 90%
XYZ	71.2322, 77.0563, 68.2226
YIQ	226.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

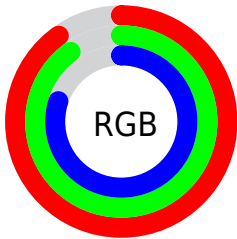
Format	Color
R _Y B	204, 229, 204
Decimal	15066572
CIE Lab	90.35, -4.23, 12.22
CIE LCh	90, 12.928, 109.086
Yxy	77.0563, 0.3290, 0.3559
Android (android.graphics.Color)	4293256652 (0xFFE5E5CC)
YUV	226.1500, -10.9200, 2.4994
Hunter-Lab	87.7817, -8.7708, 15.3679

Details

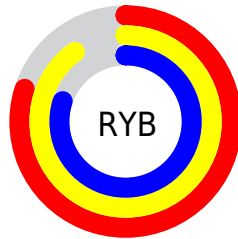
The Yxy color **77.0563, 0.3290, 0.3559** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.6668, 0.2955, 0.3006**, and the grayscale version is **76.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3583, 0.3320, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **76.0330, 0.3442, 0.3811**, and if you desaturate by 10%, it is **78.2480, 0.3141, 0.3313**.

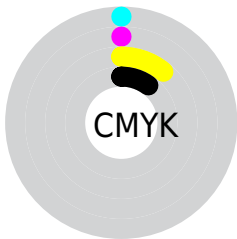
Distribution



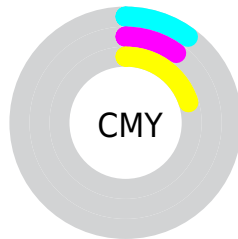
- Red (90%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (10%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0563, 0.3290, 0.3559 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 77.0563, 0.3290, 0.3559 by changing the saturation by 10% instead.

■ 77.0563, 0.3290,
0.3559

■ 77.0563, 0.3290,
0.3559

484.9560, 0.3216,
0.3435

■ 57.2991, 0.3307,
0.3587

129.2190, 0.3265,
0.3516

■ 41.2454, 0.3327,
0.3622

162.3932, 0.3255,
0.3499

■ 28.5109, 0.3353,
0.3667

200.8085, 0.3246,
0.3485

■ 18.7111, 0.3385,
0.3725

244.8494, 0.3238,
0.3472

■ 11.4617, 0.3430,
0.3803

294.9002, 0.3232,
0.3461

■ 6.3783, 0.3491,
0.3917

351.3453, 0.3226,

■ 3.0765, 0.3583,

0.3451

0.4092

414.5691, 0.3221,
0.3443

■ 1.1718, 0.3884,
0.4579

■ 0.0385, 0.0000,
1.0000

■ 77.0563, 0.3290,
0.3559

■ 77.0563, 0.3290,
0.3559

■ 76.0330, 0.3442,
0.3811

■ 78.2480, 0.3141,
0.3313

■ 75.1608, 0.3594,
0.4061


■ 79.6044, 0.2998,
0.3077


■ 74.4357, 0.3738,
0.4299

■ 79.9444, 0.2967,
0.3025

■ 73.8494, 0.3870,
0.4518


■ 79.9519, 0.2967,
0.3025

 73.3930, 0.3984,
0.4705

 79.9594, 0.2967,
0.3026


 73.0564, 0.4075,
0.4855


 79.9670, 0.2967,
0.3026


 72.8282, 0.4139,
0.4961

 79.9745, 0.2967,
0.3026

 72.6946, 0.4178,
0.5025

 79.9821, 0.2967,
0.3026

 72.6346, 0.4194,
0.5052

 79.9896, 0.2967,
0.3026

Harmonies

Analogous

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



77.0563, 0.3396, 0.3516



77.0563, 0.3290, 0.3559



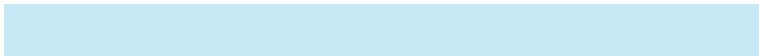
77.0563, 0.3142, 0.3526

Triad

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



77.0563, 0.3290, 0.3559



77.0563, 0.2834, 0.3154



77.0563, 0.3260, 0.3160

Complementary

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



77.0563, 0.3290, 0.3559



61.6668, 0.2955, 0.3006

Split Complementary

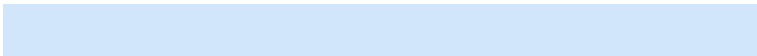
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0563, 0.3107, 0.3068



77.0563, 0.3290, 0.3559



77.0563, 0.2864, 0.3062

Square

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



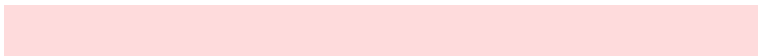
77.0563, 0.3290, 0.3559



77.0563, 0.2881, 0.3287



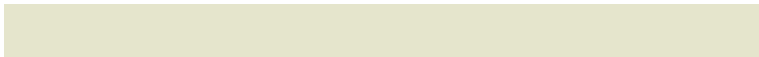
77.0563, 0.2962, 0.3032



77.0563, 0.3379, 0.3285

Rectangle

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



77.0563, 0.3290, 0.3559



77.0563, 0.3040, 0.3465



77.0563, 0.2962, 0.3032



77.0563, 0.3210, 0.3124

Sweetspot

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



77.0597, 0.3290, 0.3559



99.5141, 0.3171, 0.3363



64.2082, 0.3319, 0.3286



21.2730, 0.3183, 0.3383



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.



77.0597, 0.3290, 0.3559



98.0333, 0.3322, 0.3613



75.1447, 0.3204, 0.3566



16.8157, 0.3268, 0.3522



41.5220, 0.4194, 0.5052



3.0688, 0.4194, 0.5052

Inverse Universe

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



61.6668, 0.2955, 0.3006



74.8993, 0.2919, 0.2946



63.4375, 0.3043, 0.3013



13.8886, 0.2980, 0.3047



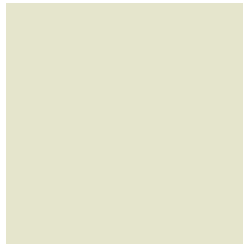
3.2368, 0.1500, 0.0600



0.2397, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 77.0563, 0.3290, 0.3559 looks on a white background.

Color Contrast Check

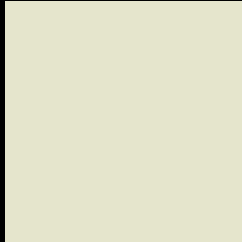
Large Text (above 18pt) WCAG AA × Fail

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 77.0563, 0.3290, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

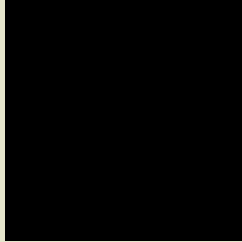
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

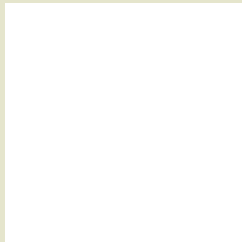
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0563, 0.3290, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 77.0563, 0.3290, 0.3559.

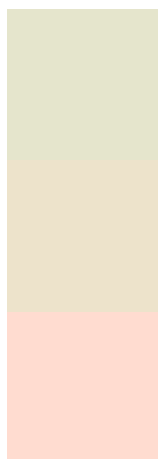


This preview shows how white text looks on a background with the Yxy color 77.0563, 0.3290, 0.3559.

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

77.0563, 0.3290, 0.3559

Protanopia

77.2545, 0.3357, 0.3544

Deuteranopia

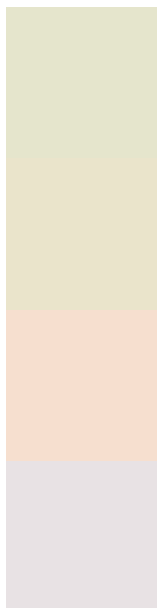
77.0005, 0.3467, 0.3413



Tritanopia

77.1546, 0.3087, 0.3115

Trichromacy



Original Color

77.0563, 0.3290, 0.3559

Protanomaly

77.2910, 0.3334, 0.3556

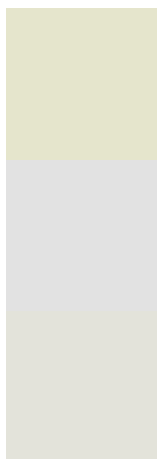
Deuteranomaly

76.8732, 0.3402, 0.3456

Tritanomaly

77.1500, 0.3156, 0.3269

Monochromacy



Original Color

77.0563, 0.3290, 0.3559

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3310, 0.3185, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0563, 0.3290, 0.3559 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(229, 229, 204)` looks like.

```
.text, #text, p{  
    color:rgb(229, 229, 204)  
}
```

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(229, 229, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 229, 204) }
```

Border

The CSS property to change the border of an element to Yxy 77.0563, 0.3290, 0.3559 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(229, 229, 204) }
```

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

```
.border{ border-color:rgb(229, 229, 204) }
```

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

Here you see how a box with a 4 pixel rgb(229, 229, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 229, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 229, 204);  
box-shadow:4px 4px 4px 4px rgb(229, 229,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0563, 0.3290, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 229, 204) }
```

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

```
.background{ background-color: rgb(229,  
229, 204) }
```

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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