

Converting Colors

$Y_{xy}(78.0061, 0.3145, 0.3304)$

Have a look what the booklet for
Yxy(78.0061, 0.3145, 0.3304)
contains.

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Color

Yxy(77.8559, 0.3147, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	E6E4E3
RGB	230, 228, 227
RGB Percent	90%, 89%, 89%
CMY	0.0983, 0.1058, 0.1099
CMYK	0.00, 0.01, 0.01, 0.10
HSL	21°, 6%, 90%
HSV	21°, 1%, 90%
XYZ	74.2237, 77.8559, 83.7759
YIQ	228.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

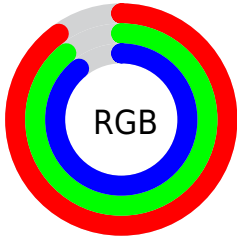
Format	Color
R _Y B	230, 229, 227
Decimal	15131875
CIE Lab	90.71, 0.46, 0.72
CIE LCh	91, 0.859, 57.339
Yxy	77.8559, 0.3147, 0.3301
Android (android.graphics.Color)	4293321955 (0xFFE6E4E3)
YUV	228.4840, -0.7316, 1.3295
Hunter-Lab	88.2360, -4.2596, 5.4722

Details

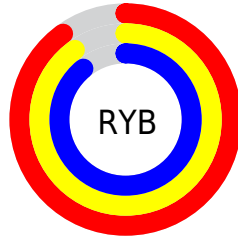
The Yxy color **77.8559, 0.3147, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.0158, 0.3107, 0.3279**, and the grayscale version is **77.9557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9797, 0.3153, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **68.8444, 0.3317, 0.3391**, and if you desaturate by 10%, it is **87.7464, 0.3003, 0.3218**.

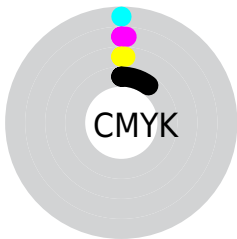
Distribution



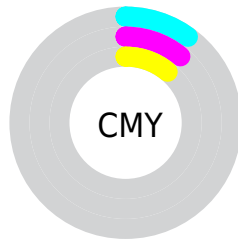
- Red (90%)
- Green (89%)
- Blue (89%)



- Red (90%)
- Yellow (90%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8559, 0.3147, 0.3301 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 77.8559, 0.3147, 0.3301 by changing the saturation by 10% instead.

■ 77.8559, 0.3147,
0.3301

■ 77.8559, 0.3147,
0.3301

487.6773, 0.3138,
0.3296

■ 57.9556, 0.3149,
0.3302

130.3470, 0.3144,
0.3299

■ 41.7730, 0.3152,
0.3303

163.7065, 0.3143,
0.3299

■ 28.9236, 0.3155,
0.3305

202.3213, 0.3142,
0.3298

■ 19.0230, 0.3159,
0.3307

246.5757, 0.3141,
0.3298

■ 11.6869, 0.3164,
0.3310

296.8541, 0.3140,
0.3297

■ 6.5309, 0.3172,
0.3315

353.5409, 0.3139,

■ 3.1705, 0.3185,

0.3297

417.0205, 0.3139,
0.3296

0.3321

1.2214, 0.3206,
0.3333

0.0791, 0.4301,
0.3933

77.8559, 0.3147,
0.3301

77.8559, 0.3147,
0.3301

68.8444, 0.3317,
0.3391

87.7464, 0.3003,
0.3218

60.6776, 0.3516,
0.3485

95.5521, 0.2975,
0.3290

53.3334, 0.3750,
0.3583

46.7851, 0.4019,
0.3680

■ 41.0045, 0.4323,
0.3768

■ 35.9616, 0.4657,
0.3838

■ 31.6239, 0.5004,
0.3878

■ 27.9565, 0.5341,
0.3875

■ 24.9202, 0.5637,
0.3821

Harmonies

Analogous

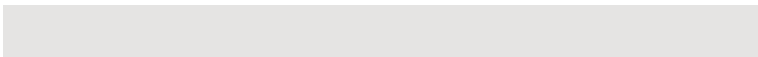
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8559, 0.3145, 0.3293



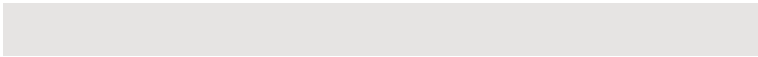
77.8559, 0.3147, 0.3301



77.8559, 0.3144, 0.3306

Triad

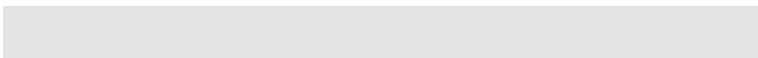
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8559, 0.3147, 0.3301



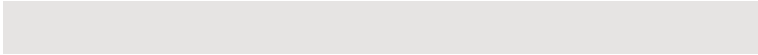
77.8559, 0.3116, 0.3297



77.8559, 0.3119, 0.3273

Complementary

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



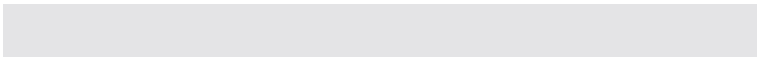
77.8559, 0.3147, 0.3301



78.0158, 0.3107, 0.3279

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.



77.8559, 0.3111, 0.3274



77.8559, 0.3147, 0.3301



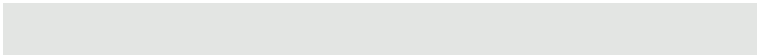
77.8559, 0.3109, 0.3288

Square

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



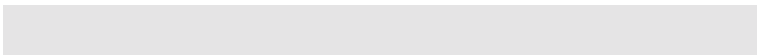
77.8559, 0.3147, 0.3301



77.8559, 0.3126, 0.3304



77.8559, 0.3108, 0.3279



77.8559, 0.3129, 0.3276

Rectangle

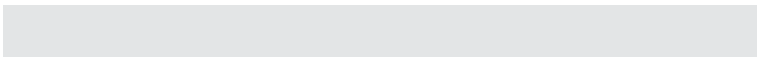
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



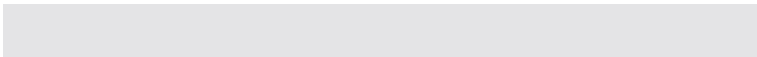
77.8559, 0.3147, 0.3301



77.8559, 0.3139, 0.3308



77.8559, 0.3108, 0.3279



77.8559, 0.3116, 0.3273

Sweetspot

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



77.8593, 0.3147, 0.3301

100.0000, 0.3127, 0.3290



77.3931, 0.3135, 0.3270



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

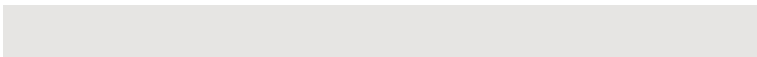
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8593, 0.3147, 0.3301



97.5910, 0.3158, 0.3307



78.6684, 0.3146, 0.3316



16.6778, 0.3157, 0.3306



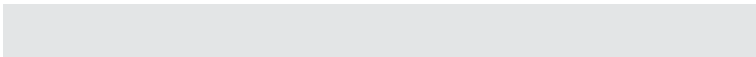
13.0953, 0.5819, 0.3761



1.1378, 0.5540, 0.3983

Inverse Universe

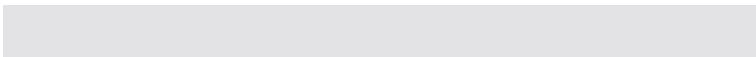
The Inverse Universe completely reimagines the original color for something new.



78.0158, 0.3107, 0.3279



97.8998, 0.3096, 0.3273



77.2095, 0.3108, 0.3264



16.7274, 0.3098, 0.3274



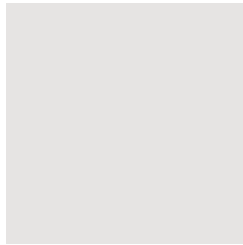
15.5772, 0.1914, 0.2092



1.3244, 0.1969, 0.2287

Previews

White Background



This preview shows how the Yxy color 77.8559, 0.3147, 0.3301 looks on a white background.

Color Contrast Check

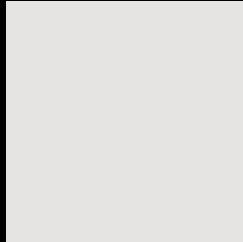
Large Text (above 18pt) WCAG AA × Fail

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 77.8559, 0.3147, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

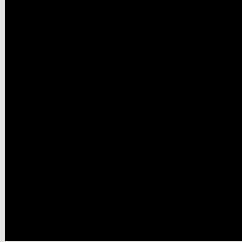
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

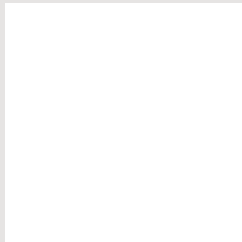
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8559, 0.3147, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 77.8559, 0.3147, 0.3301.

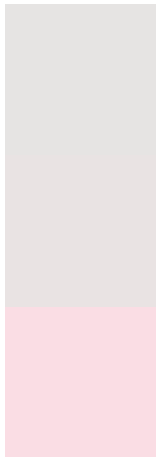


This preview shows how white text looks on a background with the Yxy color 77.8559, 0.3147, 0.3301.

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

77.8559, 0.3147, 0.3301

Protanopia

77.8079, 0.3169, 0.3290

Deuteranopia

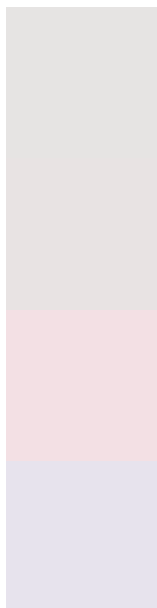
77.6383, 0.3288, 0.3220



Tritanopia

78.0196, 0.3060, 0.3115

Trichromacy



Original Color

77.8559, 0.3147, 0.3301

Protanomaly

77.6400, 0.3162, 0.3290

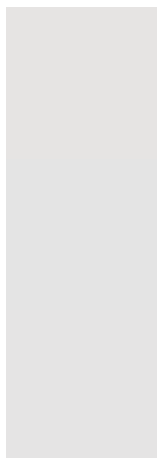
Deuteranomaly

77.9674, 0.3235, 0.3249

Tritanomaly

78.0415, 0.3091, 0.3186

Monochromacy



Original Color

77.8559, 0.3147, 0.3301

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7463, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8559, 0.3147, 0.3301 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(230, 228, 227) looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 227)  
}
```

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(230, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 227) }
```

Border

The CSS property to change the border of an element to Yxy 77.8559, 0.3147, 0.3301 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(230, 228, 227) }
```

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

```
.border{ border-color:rgb(230, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 228, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 228, 227); box-shadow:4px 4px 4px 4px rgb(230, 228, 227) }
```

Background

The CSS property to change the background color of an element to Yxy 77.8559, 0.3147, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 227) }
```

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

```
.background{ background-color: rgb(230,  
228, 227) }
```

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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