

Converting Colors

$Y_{xy}(78.1249, 0.3142, 0.3281)$

Have a look what the booklet for
Yxy(78.1249, 0.3142, 0.3281)
contains.

Yxy(78.1329, 0.3141, 0.3280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(78.1329, 0.3141, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4E5
RGB	231, 228, 229
RGB Percent	91%, 89%, 90%
CMY	0.0944, 0.1058, 0.1020
CMYK	0.00, 0.01, 0.01, 0.09
HSL	340°, 6%, 90%
HSV	340°, 1%, 91%
XYZ	74.8218, 78.1329, 85.2554
YIQ	229.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

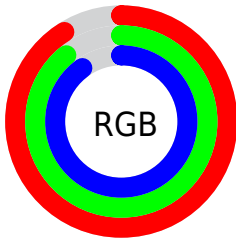
Format	Color
R _Y B	231, 228, 229
Decimal	15197413
CIE Lab	90.84, 1.15, -0.13
CIE LCh	91, 1.160, 353.503
Yxy	78.1329, 0.3141, 0.3280
Android (android.graphics.Color)	4293387493 (0xFFE7E4E5)
YUV	229.0110, -0.0054, 1.7444
Hunter-Lab	88.3928, -3.5927, 4.6894

Details

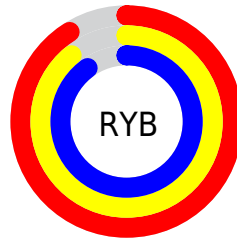
The Yxy color **78.1329, 0.3141, 0.3280** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.3213, 0.3114, 0.3300**, and the grayscale version is **78.3570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0571, 0.3137, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **65.4398, 0.3265, 0.3197**, and if you desaturate by 10%, it is **92.6067, 0.3040, 0.3357**.

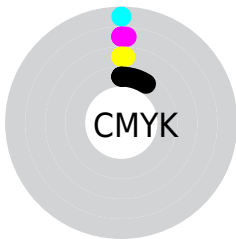
Distribution



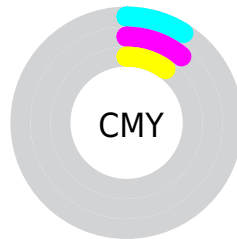
- Red (91%)
- Green (89%)
- Blue (90%)



- Red (91%)
- Yellow (89%)
- Blue (90%)



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



- Cyan (9%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1329, 0.3141, 0.3280 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 78.1329, 0.3141, 0.3280 by changing the saturation by 10% instead.

■ 78.1329, 0.3141,
0.3280

■ 78.1329, 0.3141,
0.3280

488.6181, 0.3135,
0.3285

■ 58.1832, 0.3142,
0.3279

130.7375, 0.3139,
0.3282

■ 41.9559, 0.3144,
0.3278

164.1611, 0.3138,
0.3282

■ 29.0668, 0.3146,
0.3276

202.8447, 0.3137,
0.3283

■ 19.1313, 0.3149,
0.3274

247.1729, 0.3137,
0.3283

■ 11.7652, 0.3153,
0.3271

297.5299, 0.3136,
0.3284

■ 6.5840, 0.3159,
0.3267

354.3002, 0.3136,

■ 3.2033, 0.3167,

0.3284

0.3261

417.8681, 0.3135,
0.3284

■ 1.2388, 0.3182,
0.3250

■ 0.0931, 0.3642,
0.2907

■ 78.1329, 0.3141,
0.3280

■ 78.1329, 0.3141,
0.3280

■ 65.4398, 0.3265,
0.3197

■ 92.6067, 0.3040,
0.3357

■ 54.4487, 0.3417,
0.3110

■ 95.7168, 0.2981,
0.3290

■ 45.0895, 0.3602,
0.3020

■ 37.2838, 0.3826,
0.2931

■ 30.9463, 0.4092,
0.2850

■ 25.9837, 0.4399,
0.2788

■ 22.2917, 0.4738,
0.2755

■ 19.7509, 0.5090,
0.2764

■ 18.2188, 0.5426,
0.2823

Harmonies

Analogous

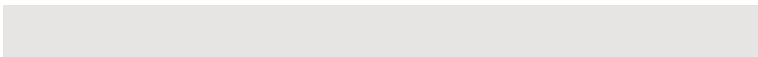
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1329, 0.3128, 0.3271



78.1329, 0.3141, 0.3280



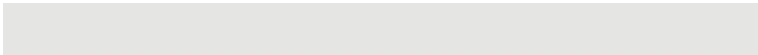
78.1329, 0.3151, 0.3292

Triad

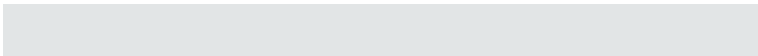
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1329, 0.3141, 0.3280



78.1329, 0.3140, 0.3314



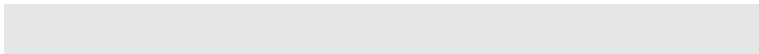
78.1329, 0.3101, 0.3277

Complementary

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



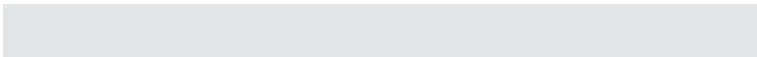
78.1329, 0.3141, 0.3280



79.3213, 0.3114, 0.3300

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.



78.1329, 0.3104, 0.3288



78.1329, 0.3141, 0.3280



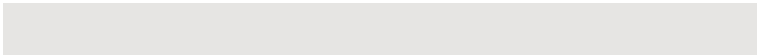
78.1329, 0.3127, 0.3310

Square

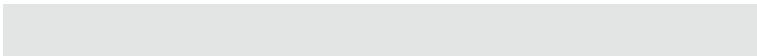
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



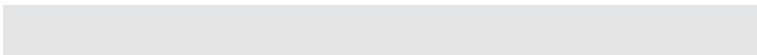
78.1329, 0.3141, 0.3280



78.1329, 0.3150, 0.3311



78.1329, 0.3114, 0.3300



78.1329, 0.3104, 0.3269

Rectangle

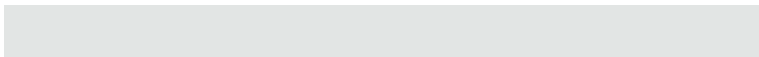
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



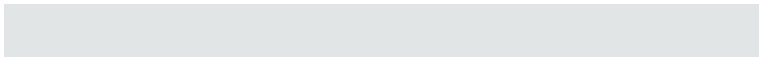
78.1329, 0.3141, 0.3280



78.1329, 0.3154, 0.3300



78.1329, 0.3114, 0.3300



78.1329, 0.3101, 0.3280

Sweetspot

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



78.1363, 0.3141, 0.3280

100.0000, 0.3127, 0.3290



78.0851, 0.3122, 0.3260



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

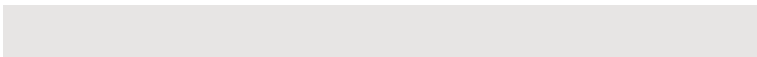
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1363, 0.3141, 0.3280



96.5710, 0.3150, 0.3274



78.3491, 0.3147, 0.3295



16.5140, 0.3148, 0.3275



9.8395, 0.5646, 0.2884



0.7438, 0.5234, 0.2657

Inverse Universe

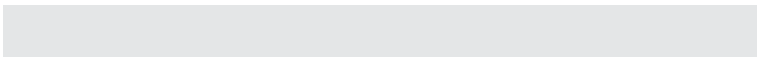
The Inverse Universe completely reimagines the original color for something new.



78.1363, 0.3141, 0.3280



96.5710, 0.3150, 0.3274



79.1054, 0.3108, 0.3285



16.5140, 0.3148, 0.3275



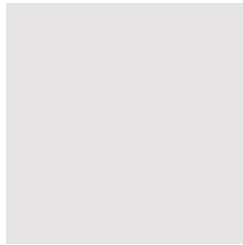
9.8395, 0.5646, 0.2884



0.7438, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 78.1329, 0.3141, 0.3280 looks on a white background.

Color Contrast Check

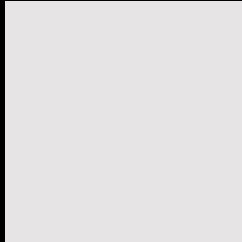
Large Text (above 18pt) WCAG AA × Fail

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 78.1329, 0.3141, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

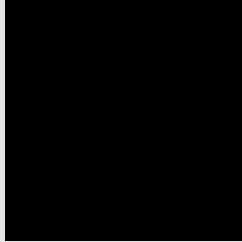
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

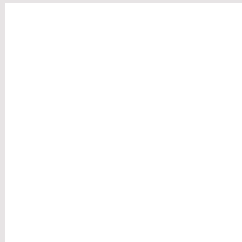
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1329, 0.3141, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 78.1329, 0.3141, 0.3280.

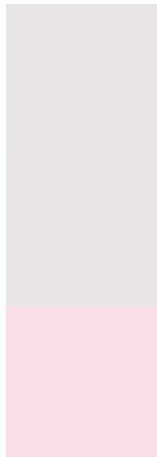


This preview shows how white text looks on a background with the Yxy color 78.1329, 0.3141, 0.3280.

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

78.1329, 0.3141, 0.3280

Protanopia

78.4676, 0.3155, 0.3280

Deuteranopia

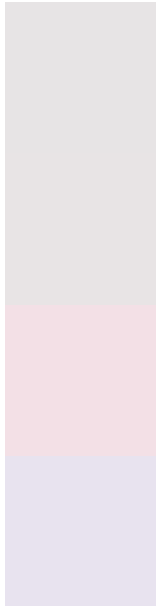
77.7501, 0.3274, 0.3200



Tritanopia

78.2480, 0.3061, 0.3105

Trichromacy



Original Color

78.1329, 0.3141, 0.3280

Protanomaly

78.2998, 0.3148, 0.3280

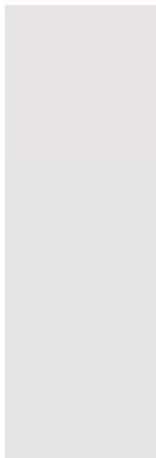
Deuteranomaly

78.0792, 0.3222, 0.3229

Tritanomaly

78.3260, 0.3085, 0.3166

Monochromacy



Original Color

78.1329, 0.3141, 0.3280

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.5188, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1329, 0.3141, 0.3280 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, 228, 229)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 229)  
}
```

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, 228, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 229) }
```

Border

The CSS property to change the border of an element to Yxy 78.1329, 0.3141, 0.3280 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, 228, 229) }
```

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

```
.border{ border-color:rgb(231, 228, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 228, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 228, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 228, 229); box-shadow:4px 4px 4px 4px rgb(231, 228, 229) }
```

Background

The CSS property to change the background color of an element to Yxy 78.1329, 0.3141, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 229) }
```

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

```
.background{ background-color: rgb(231,  
228, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor