

Converting Colors

$Y_{xy}(78.3920, 0.3134, 0.3279)$

Have a look what the booklet for
Yxy(78.3920, 0.3134, 0.3279)
contains.

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Color

Yxy(78.7407, 0.3135, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	E7E5E6
RGB	231, 229, 230
RGB Percent	91%, 90%, 90%
CMY	0.0940, 0.1020, 0.0982
CMYK	0.00, 0.01, 0.00, 0.09
HSL	332°, 4%, 90%
HSV	332°, 1%, 91%
XYZ	75.2598, 78.7407, 86.0626
YIQ	229.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

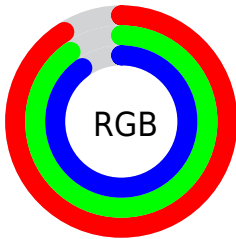
Format	Color
RYB	231, 229, 230
Decimal	15197670
CIELab	91.12, 0.86, -0.23
CIELCh	91, 0.892, 344.735
Yxy	78.7407, 0.3135, 0.3280
Android (android.graphics.Color)	4293387750 (0xFFE7E5E6)
YUV	229.7120, 0.1420, 1.1296
Hunter-Lab	88.7360, -3.8964, 4.6114

Details

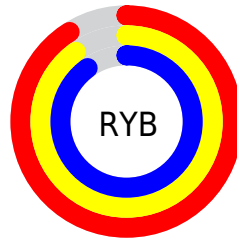
The Yxy color **78.7407, 0.3135, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.5456, 0.3119, 0.3300**, and the grayscale version is **78.9086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4812, 0.3128, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **66.1358, 0.3234, 0.3163**, and if you desaturate by 10%, it is **93.1018, 0.3053, 0.3390**.

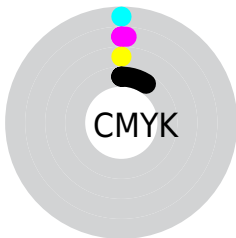
Distribution



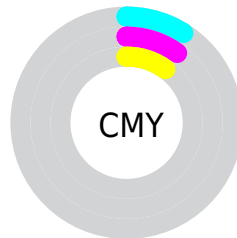
- Red (91%)
- Green (90%)
- Blue (90%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7407, 0.3135, 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 78.7407, 0.3135, 0.3280 by changing the saturation by 10% instead.

■ 78.7407, 0.3135,
0.3280

■ 78.7407, 0.3135,
0.3280

490.6787, 0.3131,
0.3285

■ 58.6826, 0.3136,
0.3279

131.5938, 0.3134,
0.3282

■ 42.3577, 0.3137,
0.3278

165.1575, 0.3133,
0.3282

■ 29.3815, 0.3138,
0.3276

203.9920, 0.3133,
0.3283

■ 19.3696, 0.3140,
0.3274

248.4816, 0.3133,
0.3283

■ 11.9376, 0.3142,
0.3271

299.0107, 0.3132,
0.3284

■ 6.7012, 0.3145,
0.3267

355.9636, 0.3132,

■ 3.2760, 0.3150,

0.3284

419.7248, 0.3132,
0.3284

0.3261

1.2774, 0.3158,
0.3250

0.1236, 0.3352,
0.2992

78.7407, 0.3135,
0.3280

78.7407, 0.3135,
0.3280

66.1358, 0.3234,
0.3163

93.1018, 0.3053,
0.3390

55.2094, 0.3354,
0.3039

95.6955, 0.2985,
0.3296

45.8926, 0.3499,
0.2912

95.7344, 0.2982,
0.3290

38.1083, 0.3670,
0.2786

■ 31.7725, 0.3871,
0.2670

■ 26.7934, 0.4100,
0.2572

■ 23.0685, 0.4353,
0.2507

■ 20.4804, 0.4619,
0.2486

■ 18.8892, 0.4884,
0.2519

Harmonies

Analogous

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



78.7407, 0.3124, 0.3274



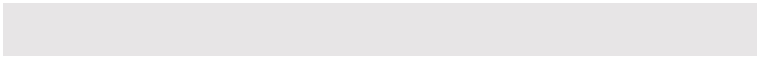
78.7407, 0.3135, 0.3280



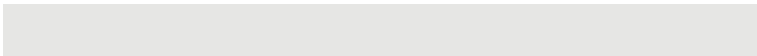
78.7407, 0.3143, 0.3289

Triad

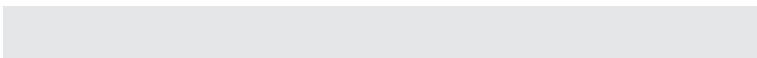
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7407, 0.3135, 0.3280



78.7407, 0.3140, 0.3308



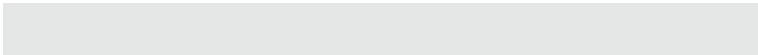
78.7407, 0.3107, 0.3282

Complementary

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



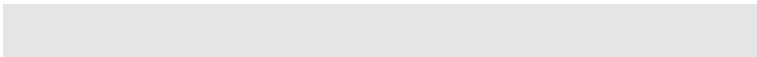
78.7407, 0.3135, 0.3280



79.5456, 0.3119, 0.3300

Split Complementary

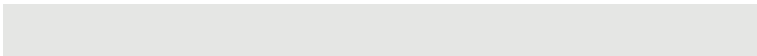
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7407, 0.3111, 0.3292



78.7407, 0.3135, 0.3280



78.7407, 0.3130, 0.3307

Square

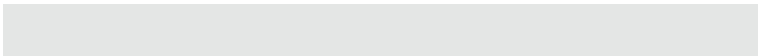
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



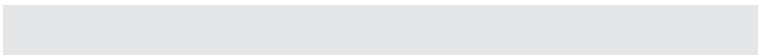
78.7407, 0.3135, 0.3280



78.7407, 0.3146, 0.3305



78.7407, 0.3120, 0.3300



78.7407, 0.3108, 0.3275

Rectangle

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



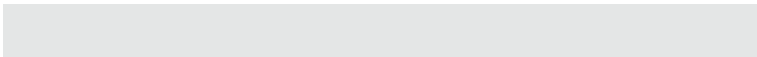
78.7407, 0.3135, 0.3280



78.7407, 0.3147, 0.3295



78.7407, 0.3120, 0.3300



78.7407, 0.3108, 0.3285

Sweetspot

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



78.7441, 0.3135, 0.3280

100.0000, 0.3127, 0.3290



78.6416, 0.3121, 0.3269



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

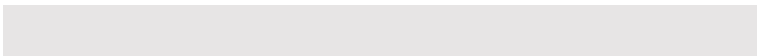
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7441, 0.3135, 0.3280



98.2972, 0.3136, 0.3279



78.7092, 0.3141, 0.3290



16.7912, 0.3136, 0.3279



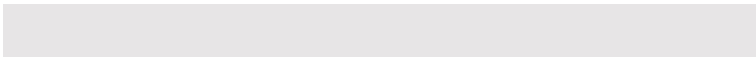
10.1659, 0.5076, 0.2570



0.7699, 0.4732, 0.2381

Inverse Universe

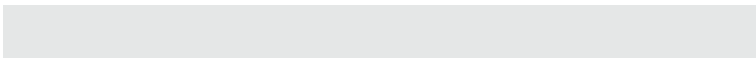
The Inverse Universe completely reimagines the original color for something new.



78.7441, 0.3135, 0.3280



98.2972, 0.3136, 0.3279



79.5806, 0.3113, 0.3290



16.7912, 0.3136, 0.3279



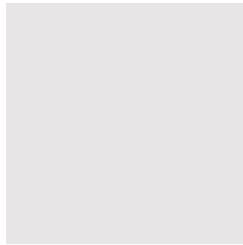
10.1659, 0.5076, 0.2570



0.7699, 0.4732, 0.2381

Previews

White Background



This preview shows how the Yxy color 78.7407, 0.3135, 0.3280 looks on a white background.

Color Contrast Check

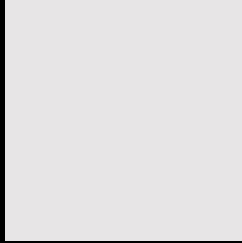
Large Text (above 18pt) WCAG AA × Fail

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 78.7407, 0.3135, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

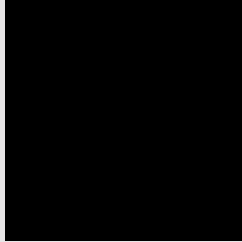
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

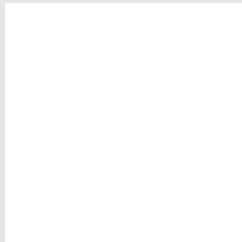
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7407, 0.3135, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 78.7407, 0.3135, 0.3280.

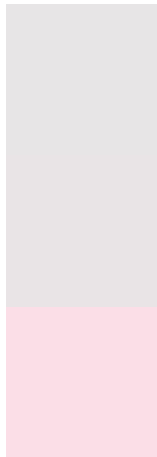


This preview shows how white text looks on a background with the Yxy color 78.7407, 0.3135, 0.3280.

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

78.7407, 0.3135, 0.3280

Protanopia

78.5236, 0.3149, 0.3269

Deuteranopia

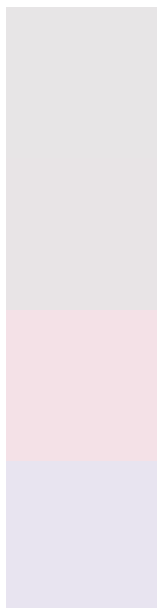
78.5213, 0.3274, 0.3200



Tritanopia

78.8544, 0.3054, 0.3105

Trichromacy



Original Color

78.7407, 0.3135, 0.3280

Protanomaly

78.3558, 0.3142, 0.3269

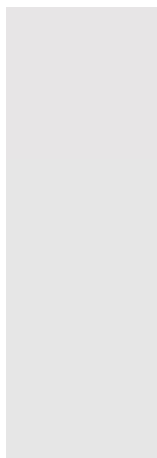
Deuteranomaly

78.8530, 0.3221, 0.3229

Tritanomaly

78.9339, 0.3078, 0.3166

Monochromacy



Original Color

78.7407, 0.3135, 0.3280

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.1298, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7407, 0.3135, 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, 229, 230)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 230)  
}
```

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, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 230) }
```

Border

The CSS property to change the border of an element to Yxy 78.7407, 0.3135, 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, 229, 230) }
```

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

```
.border{ border-color:rgb(231, 229, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 230);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
230) }
```

Background

The CSS property to change the background color of an element to Yxy 78.7407, 0.3135, 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, 229, 230) }
```

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

```
.background{ background-color: rgb(231,  
229, 230) }
```

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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