

Converting Colors

$Y_{xy}(79.9740, 0.3224, 0.3373)$

Have a look what the booklet for
Yxy(79.9740, 0.3224, 0.3373)
contains.

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Color

Yxy(79.8721, 0.3227, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	EDE6DE
RGB	237, 230, 222
RGB Percent	93%, 90%, 87%
CMY	0.0705, 0.0981, 0.1293
CMYK	0.00, 0.03, 0.06, 0.07
HSL	32°, 29%, 90%
HSV	32°, 6%, 93%
XYZ	76.4148, 79.8721, 80.5115
YIQ	231.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

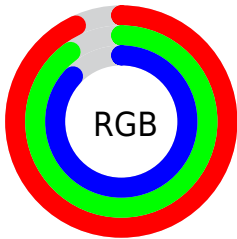
Format	Color
R _Y B	235, 237, 222
Decimal	15591134
CIE Lab	91.63, 1.01, 4.71
CIE LCh	92, 4.818, 77.853
Yxy	79.8721, 0.3227, 0.3373
Android (android.graphics.Color)	4293781214 (0xFFE6DE)
YUV	231.1810, -4.5262, 5.1033
Hunter-Lab	89.3712, -3.7771, 9.1475

Details

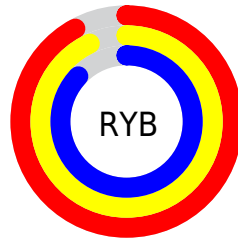
The Yxy color **79.8721, 0.3227, 0.3373** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **77.7161, 0.3030, 0.3206**, and the grayscale version is **80.0887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2737, 0.3247, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **72.7073, 0.3402, 0.3510**, and if you desaturate by 10%, it is **87.6163, 0.3073, 0.3243**.

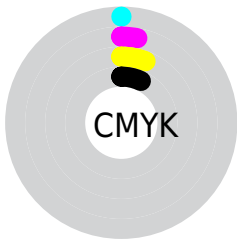
Distribution



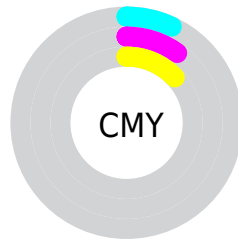
- Red (93%)
- Green (90%)
- Blue (87%)



- Red (92%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8721, 0.3227, 0.3373 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 79.8721, 0.3227, 0.3373 by changing the saturation by 10% instead.

■ 79.8721, 0.3227,
0.3373

■ 79.8721, 0.3227,
0.3373

494.5017, 0.3182,
0.3335

■ 59.6131, 0.3237,
0.3381

133.1859, 0.3211,
0.3360

■ 43.1069, 0.3250,
0.3392

167.0095, 0.3205,
0.3355

■ 29.9690, 0.3266,
0.3405

206.1234, 0.3200,
0.3351

■ 19.8150, 0.3286,
0.3422

250.9121, 0.3195,
0.3347

■ 12.2607, 0.3314,
0.3444

301.7598, 0.3191,
0.3343

■ 6.9215, 0.3353,
0.3476

359.0511, 0.3188,

■ 3.4130, 0.3414,

0.3340

423.1702, 0.3184,
0.3338

0.3525

■ 1.3510, 0.3518,
0.3608

■ 0.1802, 0.5210,
0.4790

■ 79.8721, 0.3227,
0.3373

■ 79.8721, 0.3227,
0.3373

■ 72.7073, 0.3402,
0.3510

■ 87.6163, 0.3073,
0.3243

■ 66.0969, 0.3600,
0.3653

■ 94.9790, 0.3018,
0.3262

■ 60.0287, 0.3821,
0.3797

■ 96.7488, 0.3017,
0.3290

■ 54.4867, 0.4063,
0.3936

■ 49.4534, 0.4320,
0.4059

■ 44.9104, 0.4584,
0.4156

■ 40.8374, 0.4841,
0.4213

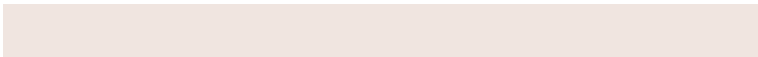
■ 37.2118, 0.5075,
0.4220

■ 34.0074, 0.5271,
0.4171

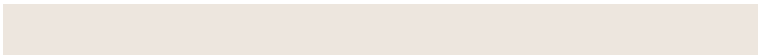
Harmonies

Analogous

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



79.8721, 0.3237, 0.3336



79.8721, 0.3227, 0.3373



79.8721, 0.3190, 0.3388

Triad

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



79.8721, 0.3227, 0.3373



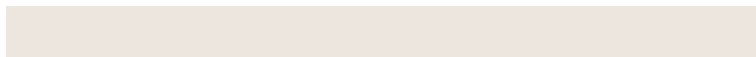
79.8721, 0.3037, 0.3292



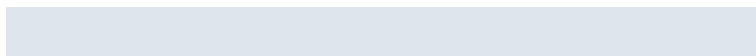
79.8721, 0.3118, 0.3206

Complementary

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



79.8721, 0.3227, 0.3373



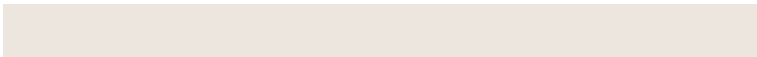
77.7161, 0.3030, 0.3206

Split Complementary

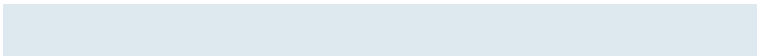
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8721, 0.3065, 0.3194



79.8721, 0.3227, 0.3373



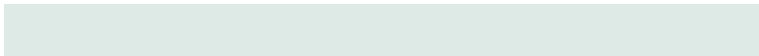
79.8721, 0.3018, 0.3243

Square

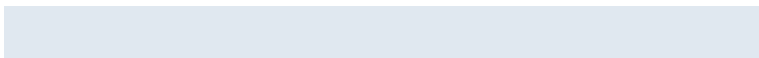
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8721, 0.3227, 0.3373



79.8721, 0.3080, 0.3341



79.8721, 0.3028, 0.3207



79.8721, 0.3174, 0.3240

Rectangle

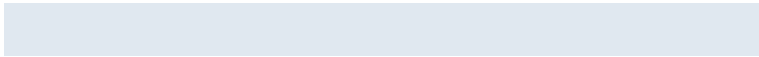
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8721, 0.3227, 0.3373



79.8721, 0.3155, 0.3383



79.8721, 0.3028, 0.3207



79.8721, 0.3099, 0.3199

Sweetspot

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



79.8756, 0.3227, 0.3373



98.1608, 0.3158, 0.3316



75.9359, 0.3186, 0.3215



21.0298, 0.3156, 0.3315



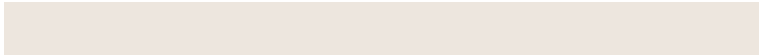
0.0000, 0.0000, 0.0000



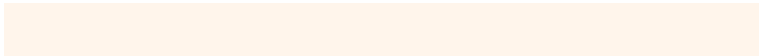
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8756, 0.3227, 0.3373



92.8079, 0.3255, 0.3396



83.8238, 0.3219, 0.3445



16.3796, 0.3280, 0.3415



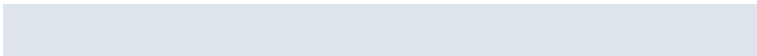
18.2371, 0.5313, 0.4164



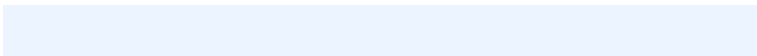
1.6244, 0.5116, 0.4320

Inverse Universe

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



77.7161, 0.3030, 0.3206



89.6104, 0.3003, 0.3182



73.9433, 0.3032, 0.3130



15.7125, 0.2980, 0.3161



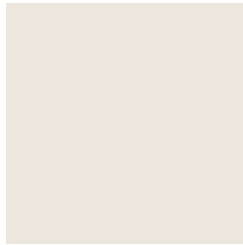
9.8074, 0.1744, 0.1477



0.9612, 0.1816, 0.1737

Previews

White Background



This preview shows how the Yxy color 79.8721, 0.3227, 0.3373 looks on a white background.

Color Contrast Check

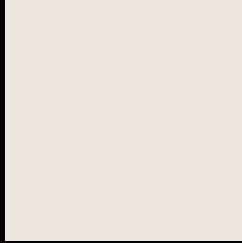
Large Text (above 18pt) WCAG AA × Fail

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 79.8721, 0.3227, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

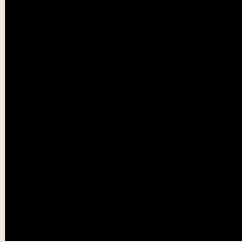
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

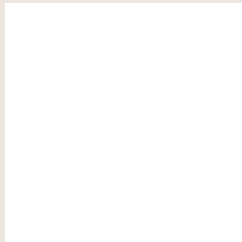
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8721, 0.3227, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 79.8721, 0.3227, 0.3373.

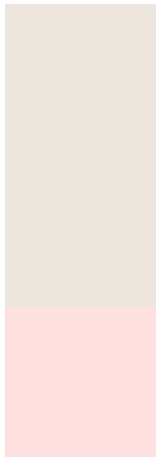


This preview shows how white text looks on a background with the Yxy color 79.8721, 0.3227, 0.3373.

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

79.8721, 0.3227, 0.3373

Protanopia

79.8721, 0.3227, 0.3373

Deuteranopia

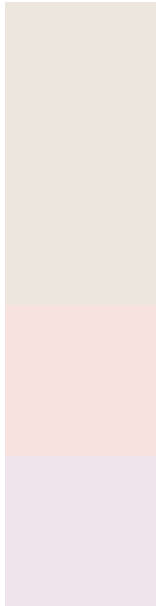
79.9531, 0.3348, 0.3291



Tritanopia

79.9951, 0.3108, 0.3118

Trichromacy



Original Color

79.8721, 0.3227, 0.3373

Protanomaly

79.8721, 0.3227, 0.3373

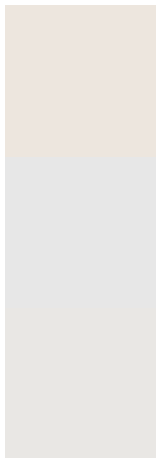
Deuteranomaly

79.6769, 0.3302, 0.3321

Tritanomaly

79.8937, 0.3152, 0.3208

Monochromacy



Original Color

79.8721, 0.3227, 0.3373

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0769, 0.3160, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8721, 0.3227, 0.3373 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(237, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(237, 230, 222)  
}
```

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(237, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 230, 222) }
```

Border

The CSS property to change the border of an element to Yxy 79.8721, 0.3227, 0.3373 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(237, 230, 222) }
```

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

```
.border{ border-color:rgb(237, 230, 222) }
```

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

Here you see how a box with a 4 pixel rgb(237, 230, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 230,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8721, 0.3227, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 230, 222) }
```

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

```
.background{ background-color: rgb(237,  
230, 222) }
```

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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