

Converting Colors

$Yxy(78.4386, 0.3195, 0.3358)$

Have a look what the booklet for
Yxy(78.4386, 0.3195, 0.3358)
contains.

| | |
|--|----|
| Yxy(78.6362, 0.3200, 0.3364) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(78.6362, 0.3200, 0.3364)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E9E5DE |
| RGB | 233, 229, 222 |
| RGB Percent | 91%, 90%, 87% |
| CMY | 0.0863, 0.1019, 0.1295 |
| CMYK | 0.00, 0.02, 0.05, 0.09 |
| HSL | 38°, 20%, 89% |
| HSV | 38°, 5%, 91% |
| XYZ | 74.8026, 78.6362, 80.3193 |
| YIQ | 229.3980, 4.6310, -1.3290 |

Conversions

Conversions Part 2

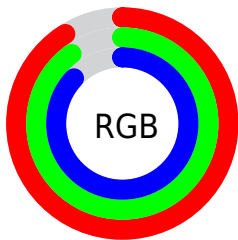
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 228, 233, 222 |
| Decimal | 15328734 |
| CIE Lab | 91.07, 0.13, 3.89 |
| CIE LCh | 91, 3.894, 88.146 |
| Yxy | 78.6362, 0.3200, 0.3364 |
| Android (android.graphics.Color) | 4293518814 (0xFFE9E5DE) |
| YUV | 229.3980, -3.6472, 3.1590 |
| Hunter-Lab | 88.6771, -4.6131, 8.3720 |

Details

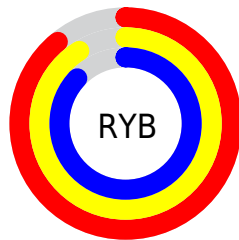
The Yxy color **78.6362, 0.3200, 0.3364** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7719, 0.3055, 0.3215**, and the grayscale version is **78.6877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4092, 0.3212, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **72.9320, 0.3367, 0.3527**, and if you desaturate by 10%, it is **84.7455, 0.3051, 0.3210**.

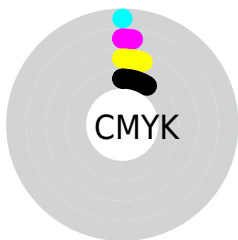
Distribution



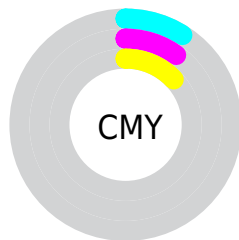
- Red (91%)
- Green (90%)
- Blue (87%)



- Red (89%)
- Yellow (91%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (9%)




- Cyan (9%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6362, 0.3200, 0.3364 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 78.6362, 0.3200, 0.3364 by changing the saturation by 10% instead.


 78.6362, 0.3200,
0.3364

 78.6362, 0.3200,
0.3364

490.3248, 0.3167,
0.3330

 58.5967, 0.3208,
0.3372

131.4466, 0.3189,
0.3352

 42.2886, 0.3217,
0.3381


164.9863, 0.3184,
0.3348

 29.3273, 0.3228,
0.3393


203.7949, 0.3180,
0.3344

 19.3286, 0.3243,
0.3408

248.2567, 0.3177,
0.3341

 11.9079, 0.3264,
0.3429

298.7563, 0.3174,
0.3337

 6.6810, 0.3293,
0.3458

355.6778, 0.3171,

 3.2634, 0.3338,

0.3335

0.3503

419.4059, 0.3169,
0.3332

■ 1.2708, 0.3415,
0.3582

■ 0.1184, 0.4940,
0.5060

■ 78.6362, 0.3200,
0.3364

■ 78.6362, 0.3200,
0.3364

■ 72.9320, 0.3367,
0.3527

■ 84.7455, 0.3051,
0.3210

■ 67.6124, 0.3551,
0.3696

■ 90.3545, 0.2993,
0.3198

■ 62.6701, 0.3751,
0.3866

■ 95.5841, 0.2993,
0.3282

■ 58.0938, 0.3965,
0.4031

■ 96.0623, 0.2993,
0.3290

■ 53.8711, 0.4186,
0.4181

■ 49.9890, 0.4406,
0.4305

■ 46.4329, 0.4614,
0.4392

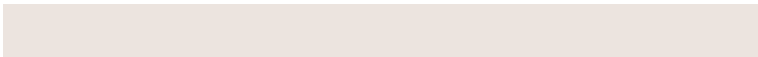
■ 43.1864, 0.4800,
0.4431

■ 40.2302, 0.4953,
0.4417

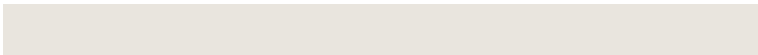
Harmonies

Analogous

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



78.6362, 0.3217, 0.3339



78.6362, 0.3200, 0.3364



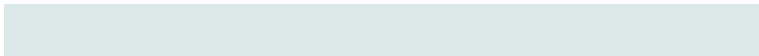
78.6362, 0.3164, 0.3369

Triad

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



78.6362, 0.3200, 0.3364



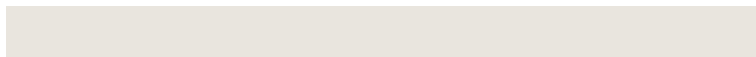
78.6362, 0.3046, 0.3278



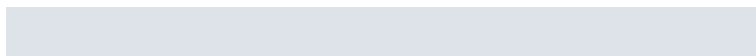
78.6362, 0.3136, 0.3229

Complementary

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



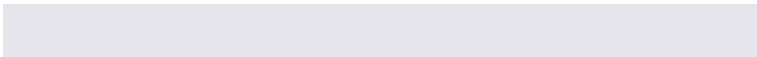
78.6362, 0.3200, 0.3364



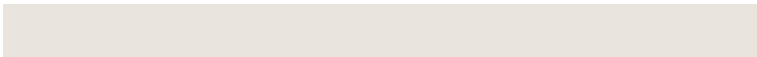
75.7719, 0.3055, 0.3215

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.



78.6362, 0.3090, 0.3213



78.6362, 0.3200, 0.3364



78.6362, 0.3039, 0.3240

Square

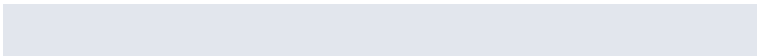
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



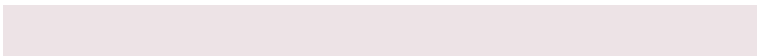
78.6362, 0.3200, 0.3364



78.6362, 0.3075, 0.3319



78.6362, 0.3055, 0.3217



78.6362, 0.3179, 0.3262

Rectangle

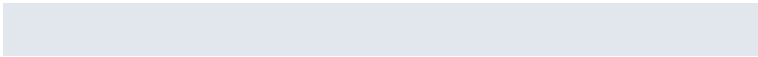
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6362, 0.3200, 0.3364



78.6362, 0.3134, 0.3360



78.6362, 0.3055, 0.3217



78.6362, 0.3120, 0.3222

Sweetspot

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



78.6396, 0.3200, 0.3364



99.2508, 0.3142, 0.3306



75.0393, 0.3179, 0.3248



21.2517, 0.3142, 0.3305



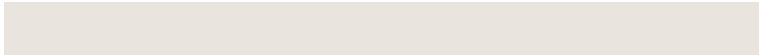
0.0000, 0.0000, 0.0000



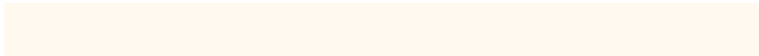
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6396, 0.3200, 0.3364



95.5793, 0.3221, 0.3385



80.6216, 0.3187, 0.3406



17.0192, 0.3230, 0.3394



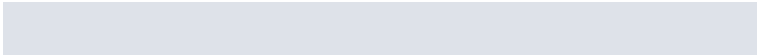
22.2469, 0.5007, 0.4407



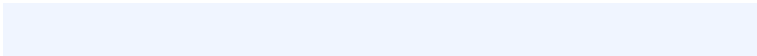
1.9283, 0.4865, 0.4520

Inverse Universe

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



75.7719, 0.3055, 0.3215



91.1334, 0.3035, 0.3194



73.8658, 0.3066, 0.3172



16.1485, 0.3025, 0.3184



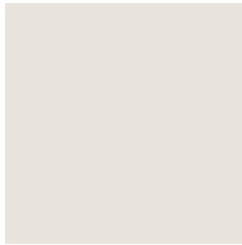
7.1615, 0.1654, 0.1155



0.7393, 0.1731, 0.1432

Previews

White Background



This preview shows how the Yxy color 78.6362, 0.3200, 0.3364 looks on a white background.

Color Contrast Check

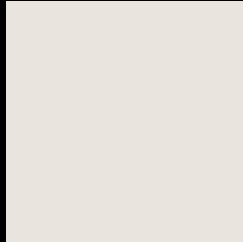
Large Text (above 18pt) WCAG AA × Fail

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 78.6362, 0.3200, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

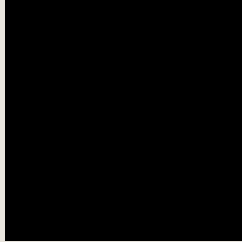
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

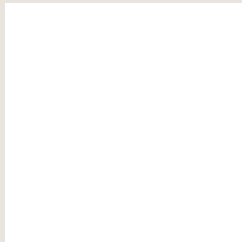
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6362, 0.3200, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 78.6362, 0.3200, 0.3364.

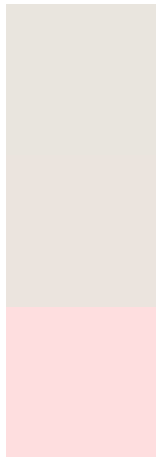


This preview shows how white text looks on a background with the Yxy color 78.6362, 0.3200, 0.3364.

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

78.6362, 0.3200, 0.3364

Protanopia

78.4229, 0.3215, 0.3353

Deuteranopia

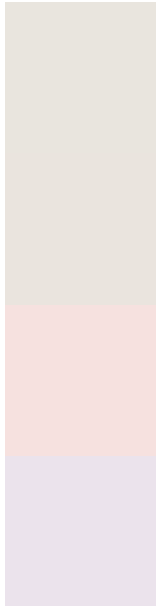
78.6411, 0.3350, 0.3281



Tritanopia

78.7572, 0.3081, 0.3106

Trichromacy



Original Color

78.6362, 0.3200, 0.3364

Protanomaly

78.2532, 0.3208, 0.3353

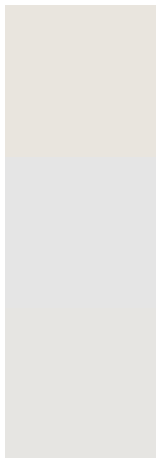
Deuteranomaly

78.7710, 0.3289, 0.3311

Tritanomaly

78.6565, 0.3125, 0.3197

Monochromacy



Original Color

78.6362, 0.3200, 0.3364

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3526, 0.3153, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6362, 0.3200, 0.3364 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(233, 229, 222)` looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 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(233, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 222) }
```

Border

The CSS property to change the border of an element to Yxy 78.6362, 0.3200, 0.3364 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(233, 229, 222) }
```

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

```
.border{ border-color:rgb(233, 229, 222) }
```

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

Here you see how a box with a 4 pixel rgb(233, 229, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6362, 0.3200, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 222) }
```

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

```
.background{ background-color: rgb(233,  
229, 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](#).

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