

Converting Colors

Yxy(78.0849, 0.3266, 0.3532)

Have a look what the booklet for
Yxy(78.0849, 0.3266, 0.3532)
contains.

Yxy(77.8057, 0.3262, 0.3525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.8057, 0.3262, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6D0
RGB	229, 230, 208
RGB Percent	90%, 90%, 82%
CMY	0.1019, 0.0980, 0.1842
CMYK	0.00, 0.00, 0.10, 0.10
HSL	63°, 31%, 86%
HSV	63°, 10%, 90%
XYZ	72.0006, 77.8057, 70.9191
YIQ	227.1930, 6.4660, -7.0540

Conversions

Conversions Part 2

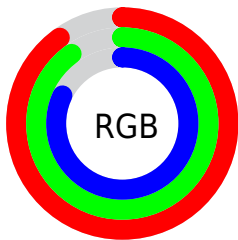
Format	Color
R_{YB}	208, 230, 209
Decimal	15066832
CIE _{Lab}	90.69, -4.08, 10.58
CIE _{LCh}	91, 11.344, 111.086
Yxy	77.8057, 0.3262, 0.3525
Android (android.graphics.Color)	4293256912 (0xFFE5E6D0)
YUV	227.1930, -9.4621, 1.5847
Hunter-Lab	88.2075, -8.6601, 14.0760

Details

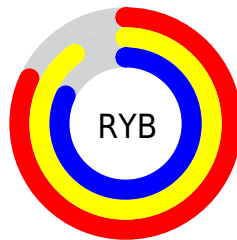
The Yxy color **77.8057, 0.3262, 0.3525** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4008, 0.2986, 0.3045**, and the grayscale version is **77.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8773, 0.3284, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **76.5877, 0.3406, 0.3778**, and if you desaturate by 10%, it is **79.1957, 0.3121, 0.3279**.

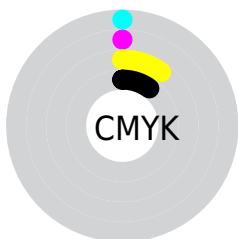
Distribution



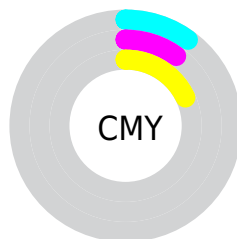
- Red (90%)
- Green (90%)
- Blue (82%)



- Red (82%)
- Yellow (90%)
- Blue (82%)



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



- Cyan (10%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8057, 0.3262, 0.3525 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 77.8057, 0.3262, 0.3525 by changing the saturation by 10% instead.

■ 77.8057, 0.3262,
0.3525

■ 77.8057, 0.3262,
0.3525

487.5067, 0.3201,
0.3417

■ 57.9144, 0.3276,
0.3550

130.2762, 0.3241,
0.3487

■ 41.7398, 0.3293,
0.3580

163.6241, 0.3233,
0.3473

■ 28.8976, 0.3314,
0.3619

202.2264, 0.3226,
0.3460

■ 19.0034, 0.3341,
0.3669

246.4674, 0.3219,
0.3449

■ 11.6727, 0.3377,
0.3737

296.7316, 0.3214,
0.3440

■ 6.5212, 0.3428,
0.3836

353.4033, 0.3209,

■ 3.1645, 0.3505,

0.3431

0.3988

416.8668, 0.3205,
0.3423

■ 1.2182, 0.3703,
0.4342

■ 0.0765, 0.0000,
1.0000

■ 77.8057, 0.3262,
0.3525

■ 77.8057, 0.3262,
0.3525

■ 76.5877, 0.3406,
0.3778

■ 79.1957, 0.3121,
0.3279

■ 75.5244, 0.3550,
0.4033

■ 80.7541, 0.2986,
0.3046

■ 74.6118, 0.3687,
0.4279

■ 80.9891, 0.2987,
0.3037

■ 73.8416, 0.3813,
0.4508

■ 81.1631, 0.2994,
0.3037

73.2049, 0.3922,
0.4709

81.3381, 0.3001,
0.3038

72.6918, 0.4008,
0.4874

81.5141, 0.3007,
0.3038

72.2908, 0.4068,
0.4996

81.6911, 0.3014,
0.3039

71.9886, 0.4102,
0.5074

81.8692, 0.3021,
0.3039

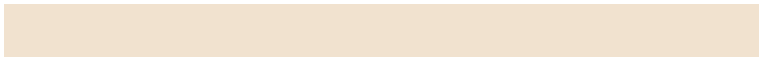
71.7629, 0.4114,
0.5114

82.0483, 0.3028,
0.3040

Harmonies

Analogous

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



77.8057, 0.3358, 0.3493



77.8057, 0.3262, 0.3525



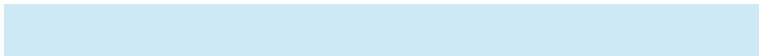
77.8057, 0.3131, 0.3492

Triad

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



77.8057, 0.3262, 0.3525



77.8057, 0.2870, 0.3164



77.8057, 0.3252, 0.3183

Complementary

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



77.8057, 0.3262, 0.3525



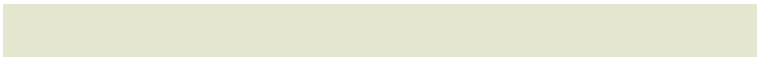
64.4008, 0.2986, 0.3045

Split Complementary

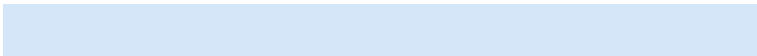
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8057, 0.3119, 0.3099



77.8057, 0.3262, 0.3525



77.8057, 0.2900, 0.3087

Square

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



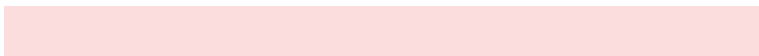
77.8057, 0.3262, 0.3525



77.8057, 0.2907, 0.3279



77.8057, 0.2990, 0.3064



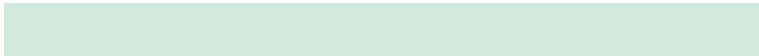
77.8057, 0.3352, 0.3294

Rectangle

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



77.8057, 0.3262, 0.3525



77.8057, 0.3043, 0.3436



77.8057, 0.2990, 0.3064



77.8057, 0.3209, 0.3151

Sweetspot

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



77.8091, 0.3262, 0.3525



99.4518, 0.3169, 0.3363



66.8655, 0.3294, 0.3298



21.2561, 0.3181, 0.3383



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.



77.8091, 0.3262, 0.3525



98.0845, 0.3284, 0.3563



76.0988, 0.3187, 0.3530



16.7824, 0.3261, 0.3523



40.6377, 0.4115, 0.5115



3.0133, 0.4127, 0.5105

Inverse Universe

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



64.4008, 0.2986, 0.3045



78.6597, 0.2961, 0.3003



66.0185, 0.3063, 0.3051



13.9180, 0.2987, 0.3047



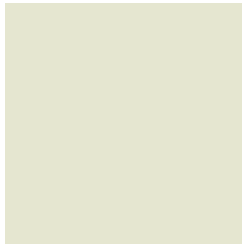
3.2863, 0.1514, 0.0608



0.2538, 0.1555, 0.0630

Previews

White Background



This preview shows how the Yxy color 77.8057, 0.3262, 0.3525 looks on a white background.

Color Contrast Check

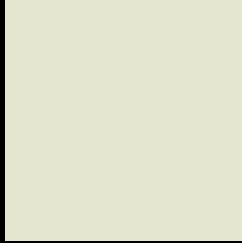
Large Text (above 18pt) WCAG AA × Fail

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 77.8057, 0.3262, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

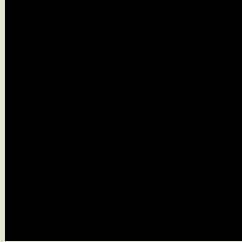
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

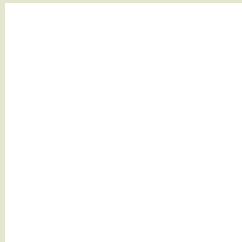
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8057, 0.3262, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 77.8057, 0.3262, 0.3525.

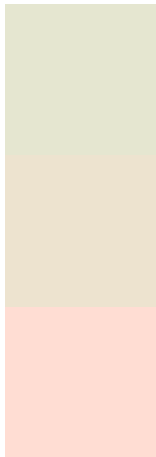


This preview shows how white text looks on a background with the Yxy color 77.8057, 0.3262, 0.3525.

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

77.8057, 0.3262, 0.3525

Protanopia

77.4477, 0.3330, 0.3501

Deuteranopia

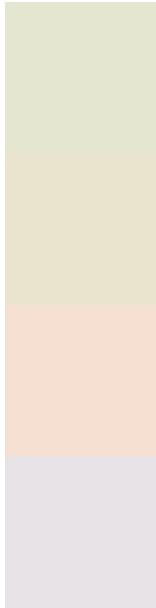
77.6761, 0.3443, 0.3392



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

77.8057, 0.3262, 0.3525

Protanomaly

77.4842, 0.3307, 0.3513

Deuteranomaly

77.5573, 0.3379, 0.3435

Tritanomaly

77.8071, 0.3142, 0.3259

Monochromacy



Original Color

77.8057, 0.3262, 0.3525

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.1481, 0.3179, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8057, 0.3262, 0.3525 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(229, 230, 208)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 208)  
}
```

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(229, 230, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 208) }
```

Border

The CSS property to change the border of an element to Yxy 77.8057, 0.3262, 0.3525 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(229, 230, 208) }
```

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

```
.border{ border-color:rgb(229, 230, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 208);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8057, 0.3262, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 208) }
```

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

```
.background{ background-color: rgb(229,  
230, 208) }
```

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