

# Converting Colors

Yxy(80.2628, 0.3261, 0.3518)

Have a look what the booklet for  
Yxy(80.2628, 0.3261, 0.3518)  
contains.

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# Color

**Yxy(80.1368, 0.3260, 0.3523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E9D3
RGB	232, 233, 211
RGB Percent	91%, 91%, 83%
CMY	0.0905, 0.0862, 0.1726
CMYK	0.00, 0.00, 0.09, 0.09
HSL	63°, 33%, 87%
HSV	63°, 9%, 91%
XYZ	74.1544, 80.1368, 73.1763
YIQ	230.1930, 6.4660, -7.0540

# Conversions

## Conversions Part 2

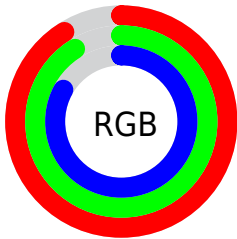
Format	Color
R <sub>Y</sub> B	211, 233, 212
Decimal	15264211
CIE Lab	91.75, -4.13, 10.58
CIE LCh	92, 11.360, 111.310
Yxy	80.1368, 0.3260, 0.3523
Android (android.graphics.Color)	4293454291 (0xFFE8E9D3)
YUV	230.1930, -9.4621, 1.5847
Hunter-Lab	89.5192, -8.7956, 14.1976

# Details

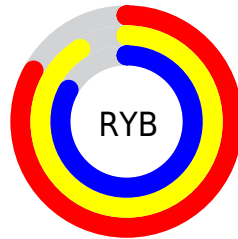
The Yxy color **80.1368, 0.3260, 0.3523** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **66.4770, 0.2988, 0.3047**, and the grayscale version is **79.3423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0747, 0.3292, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **78.8594, 0.3404, 0.3777**, and if you desaturate by 10%, it is **81.5920, 0.3120, 0.3277**.

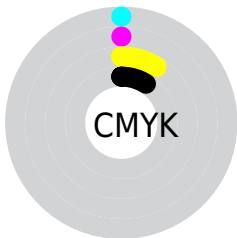
# Distribution



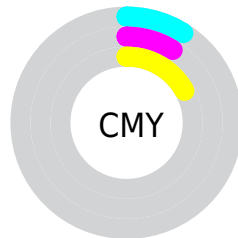
- Red (91%)
- Green (91%)
- Blue (83%)



- Red (83%)
- Yellow (91%)
- Blue (83%)



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



- Cyan (9%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1368, 0.3260, 0.3523 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 80.1368, 0.3260, 0.3523 by changing the saturation by 10% instead.



80.1368, 0.3260,  
0.3523

80.1368, 0.3260,  
0.3523

495.3937, 0.3200,  
0.3416

59.8309, 0.3273,  
0.3547

133.5580, 0.3239,  
0.3486

43.2824, 0.3290,  
0.3577

167.4422, 0.3231,  
0.3472

30.1067, 0.3310,  
0.3615

206.6213, 0.3224,  
0.3459

19.9196, 0.3336,  
0.3664

251.4796, 0.3218,  
0.3448

12.3366, 0.3371,  
0.3730

302.4016, 0.3213,  
0.3439

6.9734, 0.3420,  
0.3824

359.7717, 0.3208,

3.4455, 0.3493,

0.3430

0.3969

423.9743, 0.3204,  
0.3423

■ 1.3685, 0.3641,  
0.4256

■ 0.1933, 0.3003,  
0.6997

■ 80.1368, 0.3260,  
0.3523

■ 80.1368, 0.3260,  
0.3523

■ 78.8594, 0.3404,  
0.3777

■ 81.5920, 0.3120,  
0.3277

■ 77.7419, 0.3546,  
0.4032

■ 83.0532, 0.3001,  
0.3069

■ 76.7801, 0.3683,  
0.4279

■ 83.2528, 0.3009,  
0.3069

■ 75.9657, 0.3808,  
0.4509

■ 83.4538, 0.3016,  
0.3070

 75.2892, 0.3916,  
0.4712

 83.6560, 0.3024,  
0.3070

 74.7405, 0.4001,  
0.4878

 83.8596, 0.3031,  
0.3071


 74.3079, 0.4060,  
0.5001

 84.0645, 0.3039,  
0.3071

 73.9773, 0.4093,  
0.5080

 84.2708, 0.3047,  
0.3072

 73.7265, 0.4104,  
0.5121

 84.4783, 0.3054,  
0.3073

# Harmonies

## Analogous

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



80.1368, 0.3355, 0.3491



80.1368, 0.3260, 0.3523



80.1368, 0.3130, 0.3489

# Triad

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



80.1368, 0.3260, 0.3523



80.1368, 0.2872, 0.3165



80.1368, 0.3251, 0.3184

# Complementary

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



80.1368, 0.3260, 0.3523



66.4770, 0.2988, 0.3047

# Split Complementary

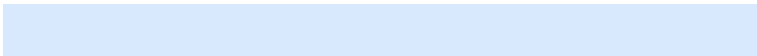
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1368, 0.3120, 0.3101



80.1368, 0.3260, 0.3523



80.1368, 0.2903, 0.3088

# Square

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



80.1368, 0.3260, 0.3523



80.1368, 0.2908, 0.3279



80.1368, 0.2992, 0.3066



80.1368, 0.3351, 0.3295



# Rectangle

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



80.1368, 0.3260, 0.3523



80.1368, 0.3042, 0.3434



80.1368, 0.2992, 0.3066



80.1368, 0.3209, 0.3152

# Sweetspot

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



80.1403, 0.3260, 0.3523



99.4440, 0.3169, 0.3363



69.1617, 0.3292, 0.3302



21.2540, 0.3180, 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.



80.1403, 0.3260, 0.3523



98.0563, 0.3283, 0.3563



78.3551, 0.3183, 0.3528



17.5861, 0.3260, 0.3523



41.8310, 0.4106, 0.5122



3.2966, 0.4119, 0.5112



# Inverse Universe

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



66.4770, 0.2988, 0.3047



78.6842, 0.2962, 0.3003



68.1713, 0.3066, 0.3053



14.5851, 0.2988, 0.3047



3.3971, 0.1516, 0.0609

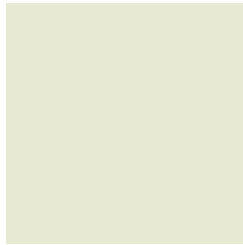


0.2795, 0.1559, 0.0632



# Previews

## White Background



This preview shows how the Yxy color 80.1368, 0.3260, 0.3523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

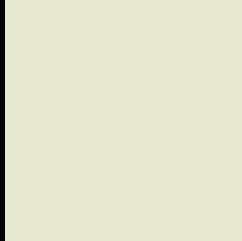
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1368, 0.3260, 0.3523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

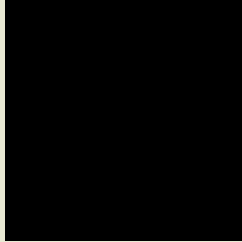
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

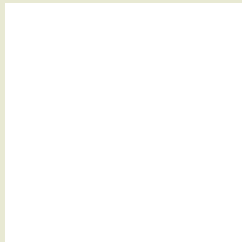
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.1368, 0.3260, 0.3523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1368, 0.3260, 0.3523.



This preview shows how white text looks on a background with the Yxy color 80.1368, 0.3260, 0.3523.

# 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

80.1368, 0.3260, 0.3523

### Protanopia

79.7720, 0.3327, 0.3499

### Deuteranopia

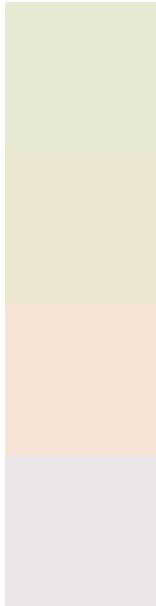
80.1202, 0.3395, 0.3371



## Tritanopia

80.1452, 0.3075, 0.3107

# Trichromacy



## Original Color

80.1368, 0.3260, 0.3523

## Protanomaly

79.8095, 0.3305, 0.3510

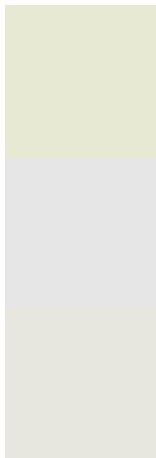
## Deuteranomaly

80.1673, 0.3347, 0.3423

## Tritanomaly

80.1390, 0.3142, 0.3259

# Monochromacy



## Original Color

80.1368, 0.3260, 0.3523

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.4685, 0.3178, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1368, 0.3260, 0.3523 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(232, 233, 211)` looks like.

```
.text, #text, p{  
    color:rgb(232, 233, 211)  
}
```

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(232, 233, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1368, 0.3260, 0.3523 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(232, 233, 211) }
```

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

```
.border{ border-color:rgb(232, 233, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 233, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 211);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1368, 0.3260, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 233, 211) }
```

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

```
.background{ background-color: rgb(232,  
233, 211) }
```

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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