

Converting Colors

$Y_{xy}(80.2125, 0.3219, 0.3354)$

Have a look what the booklet for
Yxy(80.2125, 0.3219, 0.3354)
contains.

Yxy(80.1526, 0.3221, 0.3352)	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(80.1526, 0.3221, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	EEE6E0
RGB	238, 230, 224
RGB Percent	93%, 90%, 88%
CMY	0.0666, 0.0981, 0.1215
CMYK	0.00, 0.03, 0.06, 0.07
HSL	26°, 29%, 91%
HSV	26°, 6%, 93%
XYZ	77.0201, 80.1526, 81.9460
YIQ	231.7080, 6.6940, -0.1700

Conversions

Conversions Part 2

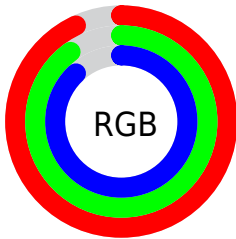
Format	Color
R _Y B	238, 235, 224
Decimal	15656672
CIE Lab	91.75, 1.70, 3.86
CIE LCh	92, 4.215, 66.279
Yxy	80.1526, 0.3221, 0.3352
Android (android.graphics.Color)	4293846752 (0xFFEEE6E0)
YUV	231.7080, -3.8000, 5.5181
Hunter-Lab	89.5280, -3.1120, 8.4008

Details

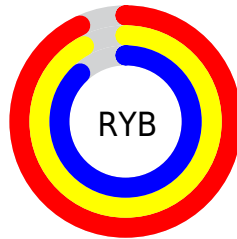
The Yxy color **80.1526, 0.3221, 0.3352** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.7688, 0.3037, 0.3227**, and the grayscale version is **80.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4696, 0.3240, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **71.6512, 0.3401, 0.3463**, and if you desaturate by 10%, it is **89.4368, 0.3066, 0.3248**.

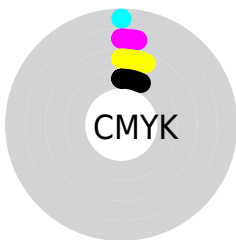
Distribution



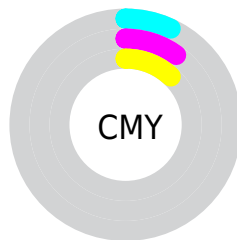
- Red (93%)
- Green (90%)
- Blue (88%)



- Red (93%)
- Yellow (92%)
- Blue (88%)



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





- Cyan (7%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1526, 0.3221, 0.3352 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 80.1526, 0.3221, 0.3352 by changing the saturation by 10% instead.

 80.1526, 0.3221,
0.3352

 80.1526, 0.3221,
0.3352


495.4470, 0.3178,
0.3324

 59.8439, 0.3231,
0.3358


133.5803, 0.3206,
0.3342

 43.2929, 0.3242,
0.3366


167.4680, 0.3201,
0.3339

 30.1150, 0.3257,
0.3376


206.6510, 0.3196,
0.3335

 19.9259, 0.3277,
0.3388

251.5135, 0.3191,
0.3333

 12.3412, 0.3303,
0.3405

302.4399, 0.3187,
0.3330

 6.9765, 0.3340,
0.3428

359.8147, 0.3184,

 3.4474, 0.3396,

0.3328

0.3464

424.0223, 0.3181,
0.3326

■ 1.3695, 0.3494,
0.3524

■ 0.1941, 0.5378,
0.4622

■ 80.1526, 0.3221,
0.3352

■ 80.1526, 0.3221,
0.3352

■ 71.6512, 0.3401,
0.3463

■ 89.4368, 0.3066,
0.3248

■ 63.9010, 0.3608,
0.3579

■ 96.9221, 0.3024,
0.3290

■ 56.8836, 0.3846,
0.3696

■ 50.5756, 0.4114,
0.3809

■ 44.9527, 0.4408,
0.3908

■ 39.9884, 0.4718,
0.3983

■ 35.6545, 0.5028,
0.4019

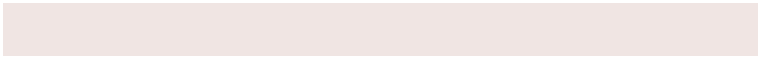
■ 31.9198, 0.5316,
0.4005

■ 28.7488, 0.5558,
0.3936

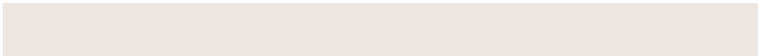
Harmonies

Analogous

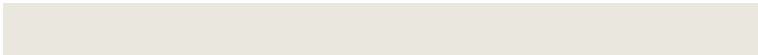
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1526, 0.3220, 0.3315



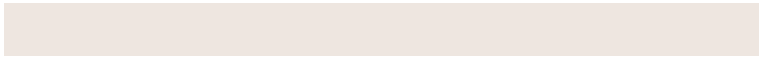
80.1526, 0.3221, 0.3352



80.1526, 0.3197, 0.3373

Triad

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



80.1526, 0.3221, 0.3352



80.1526, 0.3061, 0.3309



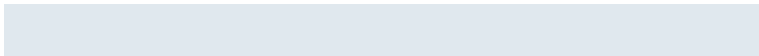
80.1526, 0.3100, 0.3210

Complementary

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



80.1526, 0.3221, 0.3352



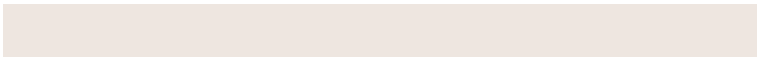
79.7688, 0.3037, 0.3227

Split Complementary

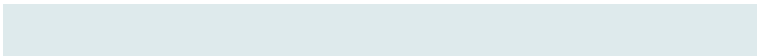
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1526, 0.3058, 0.3208



80.1526, 0.3221, 0.3352



80.1526, 0.3035, 0.3265

Square

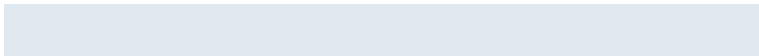
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1526, 0.3221, 0.3352



80.1526, 0.3104, 0.3349



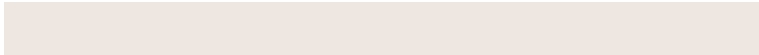
80.1526, 0.3034, 0.3228



80.1526, 0.3150, 0.3233

Rectangle

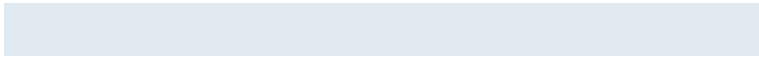
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1526, 0.3221, 0.3352



80.1526, 0.3170, 0.3375



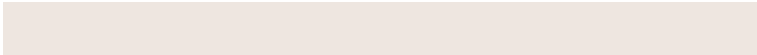
80.1526, 0.3034, 0.3228



80.1526, 0.3085, 0.3207

Sweetspot

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



80.1561, 0.3221, 0.3352



97.8240, 0.3158, 0.3311



77.3415, 0.3172, 0.3206



20.9612, 0.3157, 0.3310



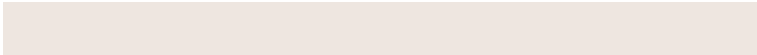
0.0000, 0.0000, 0.0000



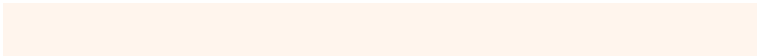
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1561, 0.3221, 0.3352



92.5450, 0.3240, 0.3364



84.0532, 0.3215, 0.3422



17.2279, 0.3250, 0.3370



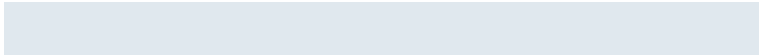
15.6340, 0.5620, 0.3919



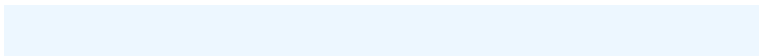
1.4939, 0.5388, 0.4104

Inverse Universe

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



79.7688, 0.3037, 0.3227



92.0085, 0.3019, 0.3215



75.9773, 0.3037, 0.3154



17.1199, 0.3010, 0.3208



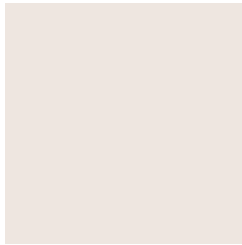
13.6062, 0.1842, 0.1831



1.3288, 0.1900, 0.2041

Previews

White Background



This preview shows how the Yxy color 80.1526, 0.3221, 0.3352 looks on a white background.

Color Contrast Check

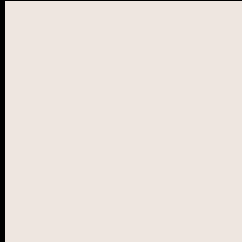
Large Text (above 18pt) WCAG AA × Fail

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 80.1526, 0.3221, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

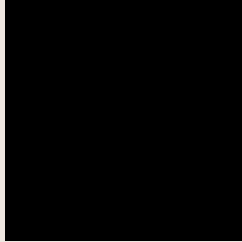
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

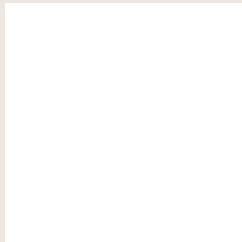
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1526, 0.3221, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 80.1526, 0.3221, 0.3352.

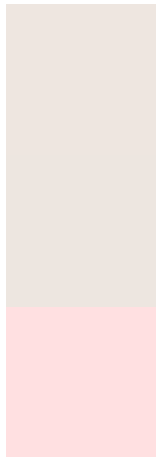


This preview shows how white text looks on a background with the Yxy color 80.1526, 0.3221, 0.3352.

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

80.1526, 0.3221, 0.3352

Protanopia

79.9800, 0.3214, 0.3352

Deuteranopia

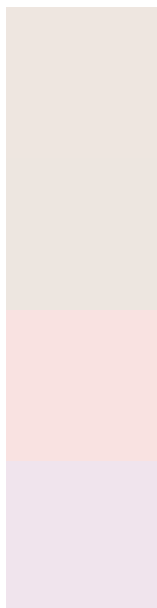
80.0076, 0.3341, 0.3281



Tritanopia

80.2315, 0.3108, 0.3109

Trichromacy



Original Color

80.1526, 0.3221, 0.3352

Protanomaly

79.9800, 0.3214, 0.3352

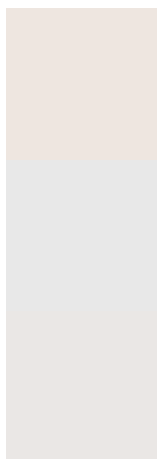
Deuteranomaly

79.9687, 0.3296, 0.3301

Tritanomaly

80.1265, 0.3152, 0.3198

Monochromacy



Original Color

80.1526, 0.3221, 0.3352

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.3014, 0.3160, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1526, 0.3221, 0.3352 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(238, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 224)  
}
```

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(238, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 224) }
```

Border

The CSS property to change the border of an element to Yxy 80.1526, 0.3221, 0.3352 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(238, 230, 224) }
```

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

```
.border{ border-color:rgb(238, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1526, 0.3221, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 224) }
```

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

```
.background{ background-color: rgb(238,  
230, 224) }
```

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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