

Converting Colors

$Yxy(82.9585, 0.3214, 0.3488)$

Have a look what the booklet for
Yxy(82.9585, 0.3214, 0.3488)
contains.

Yxy(82.7861, 0.3212, 0.3489)	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(82.7861, 0.3212, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	E8EDDA
RGB	232, 237, 218
RGB Percent	91%, 93%, 85%
CMY	0.0902, 0.0705, 0.1452
CMYK	0.02, 0.00, 0.08, 0.07
HSL	76°, 35%, 89%
HSV	76°, 8%, 93%
XYZ	76.2135, 82.7861, 78.2778
YIQ	233.3390, 3.1190, -6.9690

Conversions

Conversions Part 2

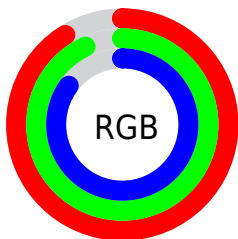
Format	Color
R _Y B	218, 237, 223
Decimal	15265242
CIE Lab	92.92, -4.97, 8.63
CIE LCh	93, 9.957, 119.939
Yxy	82.7861, 0.3212, 0.3489
Android (android.graphics.Color)	4293455322 (0xFFE8EDDA)
YUV	233.3390, -7.5621, -1.1743
Hunter-Lab	90.9869, -9.7097, 12.6824

Details

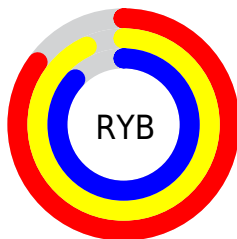
The Yxy color **82.7861, 0.3212, 0.3489** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9357, 0.3038, 0.3087**, and the grayscale version is **81.8109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9222, 0.3228, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **80.6091, 0.3319, 0.3750**, and if you desaturate by 10%, it is **85.1849, 0.3107, 0.3243**.

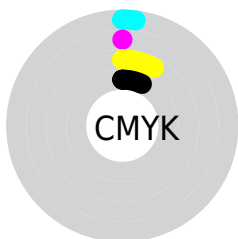
Distribution



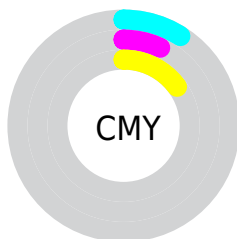
- Red (91%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7861, 0.3212, 0.3489 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 82.7861, 0.3212, 0.3489 by changing the saturation by 10% instead.

82.7861, 0.3212,
0.3489

82.7861, 0.3212,
0.3489

504.2734, 0.3174,
0.3398

62.0137, 0.3220,
0.3509

137.2758, 0.3199,
0.3458

45.0438, 0.3231,
0.3535

171.7620, 0.3194,
0.3445

31.4919, 0.3243,
0.3566

211.5881, 0.3190,
0.3435

20.9737, 0.3260,
0.3607

257.1387, 0.3186,
0.3426

13.1048, 0.3281,
0.3663

308.7982, 0.3182,
0.3418

7.5007, 0.3311,
0.3742

366.9508, 0.3179,

3.7772, 0.3355,

0.3410

431.9811, 0.3176,
0.3404

0.3862

■ 1.5497, 0.3424,
0.4070

■ 0.3233, 0.3652,
0.6348

■ 82.7861, 0.3212,
0.3489

■ 82.7861, 0.3212,
0.3489

■ 80.6091, 0.3319,
0.3750

■ 85.1849, 0.3107,
0.3243

■ 78.6352, 0.3424,
0.4021

■ 87.1152, 0.3067,
0.3113

■ 76.8597, 0.3523,
0.4294

■ 88.2552, 0.3107,
0.3115

■ 75.2734, 0.3611,
0.4560

■ 89.0542, 0.3135,
0.3117

■ 73.8665, 0.3683,
0.4808

■ 72.6280, 0.3733,
0.5024

■ 71.5456, 0.3758,
0.5200

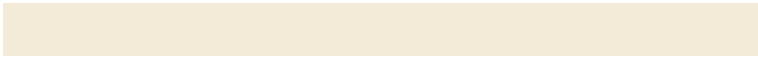
■ 70.6047, 0.3757,
0.5328

■ 69.7853, 0.3733,
0.5409

Harmonies

Analogous

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



82.7861, 0.3306, 0.3478



82.7861, 0.3212, 0.3489



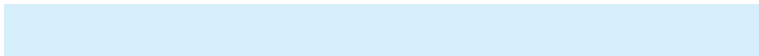
82.7861, 0.3097, 0.3444

Triad

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



82.7861, 0.3212, 0.3489



82.7861, 0.2907, 0.3158



82.7861, 0.3264, 0.3225

Complementary

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



82.7861, 0.3212, 0.3489



71.9357, 0.3038, 0.3087

Split Complementary

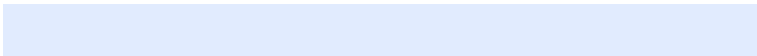
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7861, 0.3155, 0.3143



82.7861, 0.3212, 0.3489



82.7861, 0.2950, 0.3104

Square

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



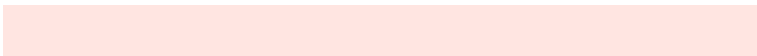
82.7861, 0.3212, 0.3489



82.7861, 0.2922, 0.3250



82.7861, 0.3040, 0.3099



82.7861, 0.3337, 0.3324

Rectangle

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



82.7861, 0.3212, 0.3489



82.7861, 0.3023, 0.3389



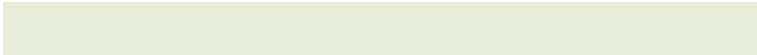
82.7861, 0.3040, 0.3099



82.7861, 0.3230, 0.3194

Sweetspot

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



82.7897, 0.3212, 0.3489



99.4217, 0.3148, 0.3339



75.7028, 0.3261, 0.3340



21.2864, 0.3147, 0.3336



0.0000, 0.0000, 0.0000



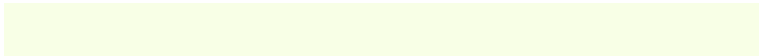
21.4041, 0.3127, 0.3290

Same Dimension

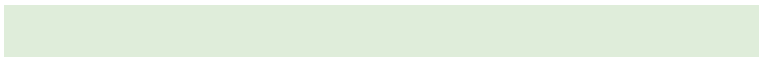
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7897, 0.3212, 0.3489



97.2121, 0.3233, 0.3540



81.2816, 0.3149, 0.3493



17.4156, 0.3227, 0.3526



38.0801, 0.3735, 0.5417



3.0364, 0.3801, 0.5364

Inverse Universe

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



71.9357, 0.3038, 0.3087



81.4069, 0.3014, 0.3034



73.4461, 0.3103, 0.3091



14.7410, 0.3021, 0.3049



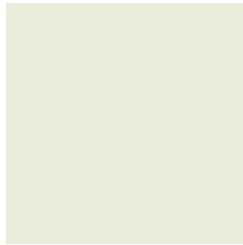
3.9603, 0.1661, 0.0689



0.3565, 0.1801, 0.0766

Previews

White Background



This preview shows how the Yxy color 82.7861, 0.3212, 0.3489 looks on a white background.

Color Contrast Check

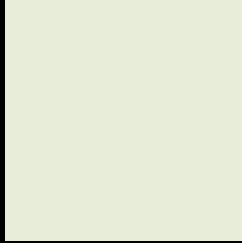
Large Text (above 18pt) WCAG AA × Fail

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 82.7861, 0.3212, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

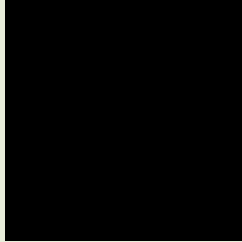
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

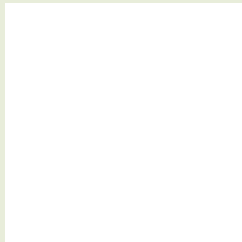
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7861, 0.3212, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 82.7861, 0.3212, 0.3489.

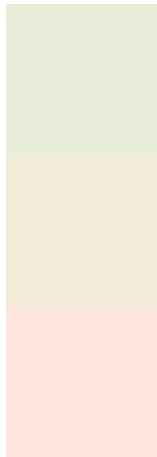


This preview shows how white text looks on a background with the Yxy color 82.7861, 0.3212, 0.3489.

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

82.7861, 0.3212, 0.3489

Protanopia

82.8582, 0.3304, 0.3475

Deuteranopia

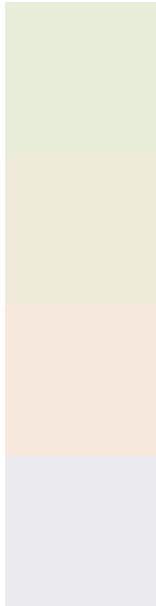
82.6804, 0.3342, 0.3340



Tritanopia

82.6828, 0.3043, 0.3099

Trichromacy



Original Color

82.7861, 0.3212, 0.3489

Protanomaly

82.7771, 0.3268, 0.3476

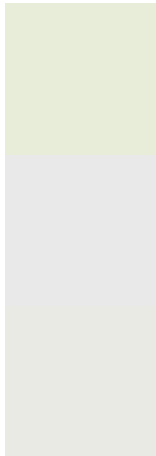
Deuteranomaly

82.7613, 0.3295, 0.3392

Tritanomaly

82.7398, 0.3103, 0.3239

Monochromacy



Original Color

82.7861, 0.3212, 0.3489

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7707, 0.3158, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7861, 0.3212, 0.3489 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, 237, 218)` looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 218)  
}
```

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, 237, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 218) }
```

Border

The CSS property to change the border of an element to Yxy 82.7861, 0.3212, 0.3489 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, 237, 218) }
```

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

```
.border{ border-color:rgb(232, 237, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 237, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 218);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7861, 0.3212, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 218) }
```

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

```
.background{ background-color: rgb(232,  
237, 218) }
```

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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