

Converting Colors

$Yxy(82.3536, 0.3261, 0.3478)$

Have a look what the booklet for
Yxy(82.3536, 0.3261, 0.3478)
contains.

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Color

Yxy(82.6036, 0.3261, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEBD9
RGB	238, 235, 217
RGB Percent	93%, 92%, 85%
CMY	0.0670, 0.0783, 0.1491
CMYK	0.00, 0.01, 0.09, 0.07
HSL	52°, 38%, 89%
HSV	52°, 9%, 93%
XYZ	77.4721, 82.6036, 77.4958
YIQ	233.8450, 7.5660, -4.9620

Conversions

Conversions Part 2

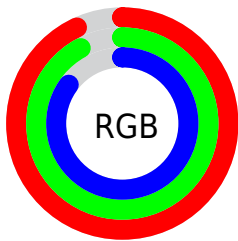
Format	Color
R _Y B	221, 238, 217
Decimal	15657945
CIE Lab	92.84, -2.08, 9.09
CIE LCh	93, 9.324, 102.897
Yxy	82.6036, 0.3261, 0.3477
Android (android.graphics.Color)	4293848025 (0xFFEEEEBD9)
YUV	233.8450, -8.3046, 3.6439
Hunter-Lab	90.8865, -6.8973, 13.0660

Details

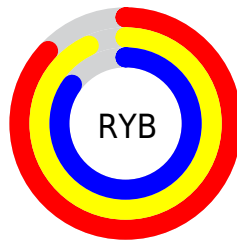
The Yxy color $82.6036, 0.3261, 0.3477$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $72.0421, 0.2991, 0.3096$, and the grayscale version is $82.2100, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.7939, 0.3293, 0.3518$ is the 20% darker color. If you saturate the color by 10%, you get $79.5906, 0.3422, 0.3697$, and if you desaturate by 10%, it is $85.8372, 0.3110, 0.3265$.

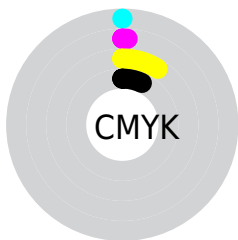
Distribution



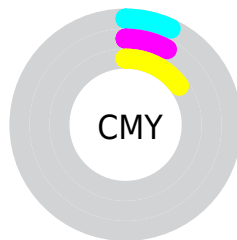
- Red (93%)
- Green (92%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6036, 0.3261, 0.3477 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 82.6036, 0.3261, 0.3477 by changing the saturation by 10% instead.

82.6036, 0.3261,
0.3477

82.6036, 0.3261,
0.3477

503.6645, 0.3201,
0.3392

61.8632, 0.3274,
0.3496

137.0201, 0.3240,
0.3448

44.9222, 0.3291,
0.3519

171.4650, 0.3232,
0.3436

31.3961, 0.3311,
0.3549

211.2469, 0.3225,
0.3426

20.9007, 0.3338,
0.3587

256.7501, 0.3219,
0.3418

13.0514, 0.3373,
0.3638

308.3591, 0.3214,
0.3410

7.4640, 0.3423,
0.3710

366.4582, 0.3209,

3.7539, 0.3496,

0.3403

0.3819

431.4319, 0.3204,
0.3397

■ 1.5369, 0.3618,
0.4004

■ 0.3145, 0.4410,
0.5590

■ 82.6036, 0.3261,
0.3477

■ 82.6036, 0.3261,
0.3477

■ 79.5906, 0.3422,
0.3697

■ 85.8372, 0.3110,
0.3265

■ 76.7795, 0.3588,
0.3919

■ 88.6559, 0.3024,
0.3157

■ 74.1656, 0.3756,
0.4136

■ 90.6274, 0.3024,
0.3190

■ 71.7399, 0.3920,
0.4339

■ 92.6343, 0.3023,
0.3223

69.4926, 0.4074,
0.4518

94.6768, 0.3023,
0.3255

67.4127, 0.4209,
0.4662

96.7550, 0.3023,
0.3287

65.4878, 0.4320,
0.4765

96.9042, 0.3023,
0.3290

63.7033, 0.4402,
0.4822

62.0374, 0.4458,
0.4837

Harmonies

Analogous

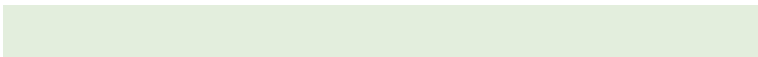
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6036, 0.3326, 0.3439



82.6036, 0.3261, 0.3477



82.6036, 0.3161, 0.3464

Triad

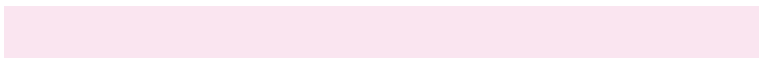
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6036, 0.3261, 0.3477



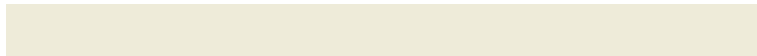
82.6036, 0.2922, 0.3213



82.6036, 0.3200, 0.3182

Complementary

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



82.6036, 0.3261, 0.3477



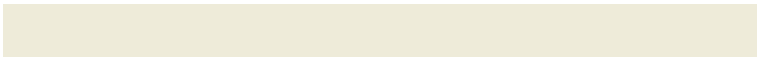
72.0421, 0.2991, 0.3096

Split Complementary

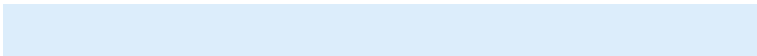
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6036, 0.3091, 0.3123



82.6036, 0.3261, 0.3477



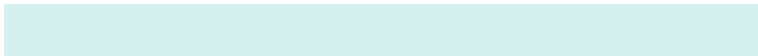
82.6036, 0.2932, 0.3139

Square

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



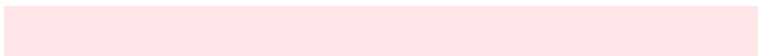
82.6036, 0.3261, 0.3477



82.6036, 0.2966, 0.3309



82.6036, 0.2993, 0.3108



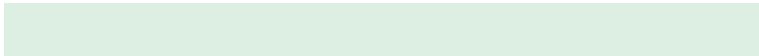
82.6036, 0.3290, 0.3268

Rectangle

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



82.6036, 0.3261, 0.3477



82.6036, 0.3088, 0.3428



82.6036, 0.2993, 0.3108



82.6036, 0.3164, 0.3158

Sweetspot

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



82.6072, 0.3261, 0.3477



98.8441, 0.3172, 0.3353



72.9567, 0.3258, 0.3257



21.0914, 0.3184, 0.3370



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.



82.6072, 0.3261, 0.3477



95.8740, 0.3296, 0.3526



83.0363, 0.3208, 0.3510



18.0646, 0.3272, 0.3492



34.6690, 0.4459, 0.4841



2.9858, 0.4419, 0.4873

Inverse Universe

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



72.0421, 0.2991, 0.3096



80.5983, 0.2954, 0.3043



71.6848, 0.3041, 0.3068



15.5811, 0.2980, 0.3080



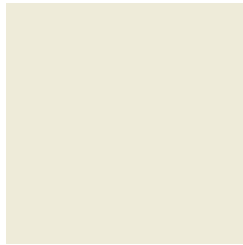
4.1557, 0.1531, 0.0709



0.4549, 0.1583, 0.0900

Previews

White Background



This preview shows how the Yxy color 82.6036, 0.3261, 0.3477 looks on a white background.

Color Contrast Check

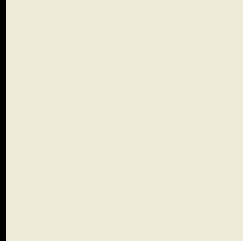
Large Text (above 18pt) WCAG AA × Fail

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 82.6036, 0.3261, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

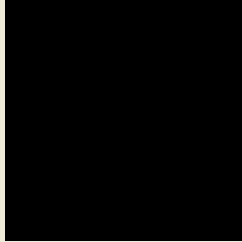
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

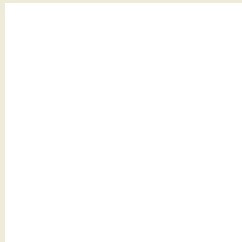
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6036, 0.3261, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 82.6036, 0.3261, 0.3477.

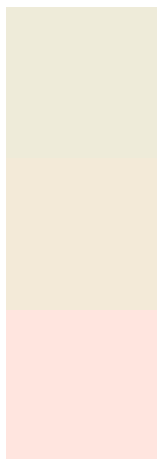


This preview shows how white text looks on a background with the Yxy color 82.6036, 0.3261, 0.3477.

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

82.6036, 0.3261, 0.3477

Protanopia

82.8582, 0.3304, 0.3475

Deuteranopia

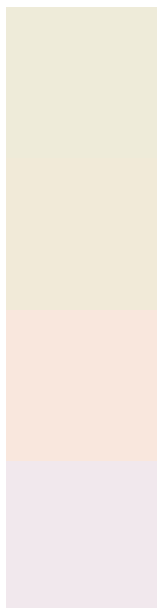
82.6263, 0.3349, 0.3350



Tritanopia

82.3104, 0.3089, 0.3100

Trichromacy



Original Color

82.6036, 0.3261, 0.3477

Protanomaly

82.5043, 0.3290, 0.3476

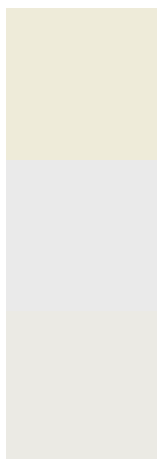
Deuteranomaly

82.5120, 0.3317, 0.3392

Tritanomaly

82.5284, 0.3157, 0.3239

Monochromacy



Original Color

82.6036, 0.3261, 0.3477

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1092, 0.3172, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6036, 0.3261, 0.3477 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, 235, 217)` looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 217)  
}
```

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, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 217) }
```

Border

The CSS property to change the border of an element to Yxy 82.6036, 0.3261, 0.3477 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, 235, 217) }
```

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

```
.border{ border-color:rgb(238, 235, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6036, 0.3261, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 217) }
```

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

```
.background{ background-color: rgb(238,  
235, 217) }
```

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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