

Converting Colors

Yxy(80.1780, 0.3220, 0.3629)

Have a look what the booklet for
Yxy(80.1780, 0.3220, 0.3629)
contains.

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Color

Yxy(80.3483, 0.3218, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	DDEDCD
RGB	221, 237, 205
RGB Percent	87%, 93%, 80%
CMY	0.1335, 0.0705, 0.1961
CMYK	0.07, 0.00, 0.14, 0.07
HSL	90°, 47%, 87%
HSV	90°, 14%, 93%
XYZ	71.1113, 80.3483, 69.5203
YIQ	228.5680, 0.7360, -13.3440

Conversions

Conversions Part 2

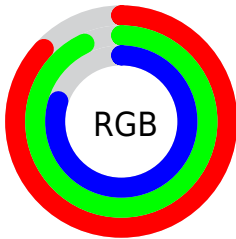
Format	Color
RYB	205, 237, 221
Decimal	14544333
CIELab	91.84, -10.92, 13.71
CIElCh	92, 17.531, 128.532
Yxy	80.3483, 0.3218, 0.3636
Android (android.graphics.Color)	4292734413 (0xFFDDED CD)
YUV	228.5680, -11.6190, -6.6371
Hunter-Lab	89.6372, -15.2568, 16.7623

Details

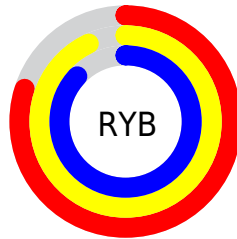
The Yxy color **80.3483, 0.3218, 0.3636** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.1641, 0.3026, 0.2944**, and the grayscale version is **78.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3891, 0.3237, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **77.4913, 0.3283, 0.3916**, and if you desaturate by 10%, it is **83.5180, 0.3151, 0.3376**.

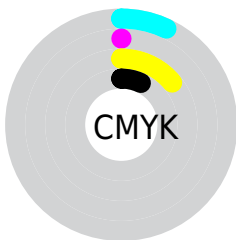
Distribution



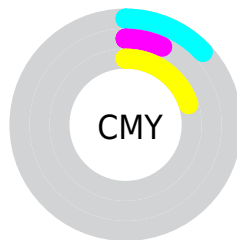
- Red (87%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3483, 0.3218, 0.3636 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 80.3483, 0.3218, 0.3636 by changing the saturation by 10% instead.

80.3483, 0.3218,
0.3636

80.3483, 0.3218,
0.3636

496.1059, 0.3178,
0.3476

60.0050, 0.3227,
0.3673

133.8553, 0.3205,
0.3580

43.4227, 0.3237,
0.3718

167.7878, 0.3199,
0.3559

30.2169, 0.3249,
0.3776

207.0189, 0.3195,
0.3540

20.0033, 0.3265,
0.3851

251.9328, 0.3191,
0.3524

12.3974, 0.3285,
0.3953

302.9141, 0.3187,
0.3510

7.0149, 0.3311,
0.4101

360.3471, 0.3184,

3.4714, 0.3344,

0.3497

0.4332

424.6162, 0.3181,
0.3486

1.3825, 0.3478,
0.4871

0.2038, 0.0000,
1.0000

80.3483, 0.3218,
0.3636

80.3483, 0.3218,
0.3636

77.4913, 0.3283,
0.3916

83.5180, 0.3151,
0.3376

74.9260, 0.3344,
0.4211

86.9999, 0.3084,
0.3138

72.6447, 0.3396,
0.4513

89.0593, 0.3135,
0.3117

70.6355, 0.3434,
0.4810

■ 68.8852, 0.3455,
0.5087

■ 67.3796, 0.3455,
0.5329

■ 66.1022, 0.3432,
0.5522

■ 65.0340, 0.3388,
0.5658

■ 64.4349, 0.3353,
0.5720

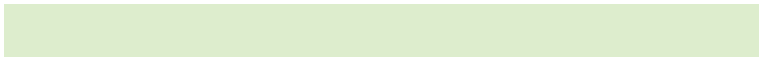
Harmonies

Analogous

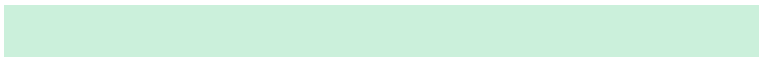
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3483, 0.3403, 0.3641



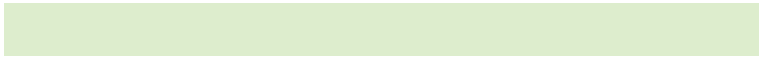
80.3483, 0.3218, 0.3636



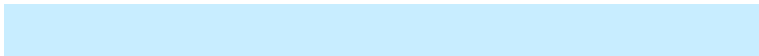
80.3483, 0.3013, 0.3529

Triad

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



80.3483, 0.3218, 0.3636



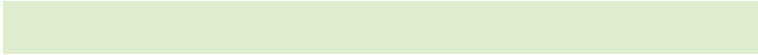
80.3483, 0.2752, 0.3018



80.3483, 0.3417, 0.3221

Complementary

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



80.3483, 0.3218, 0.3636



65.1641, 0.3026, 0.2944

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.



80.3483, 0.3234, 0.3068



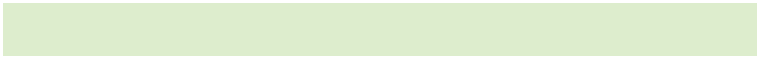
80.3483, 0.3218, 0.3636



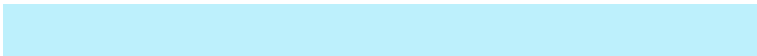
80.3483, 0.2852, 0.2951

Square

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



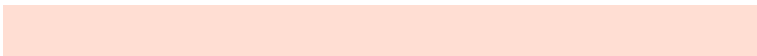
80.3483, 0.3218, 0.3636



80.3483, 0.2749, 0.3164



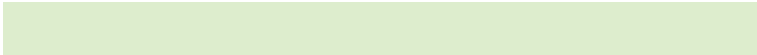
80.3483, 0.3027, 0.2970



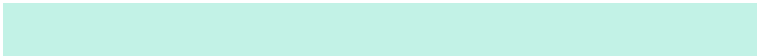
80.3483, 0.3521, 0.3395

Rectangle

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



80.3483, 0.3218, 0.3636



80.3483, 0.2893, 0.3415



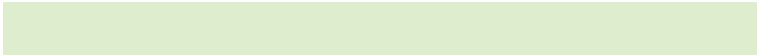
80.3483, 0.3027, 0.2970



80.3483, 0.3362, 0.3166

Sweetspot

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



80.3518, 0.3218, 0.3636



98.4023, 0.3154, 0.3389



74.1350, 0.3352, 0.3461



20.9993, 0.3159, 0.3408



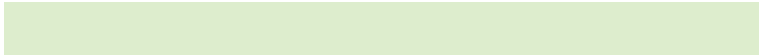
0.0000, 0.0000, 0.0000



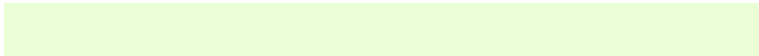
21.4041, 0.3127, 0.3290

Same Dimension

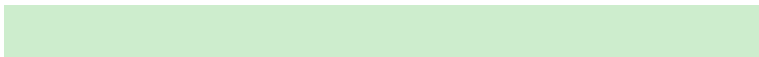
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3518, 0.3218, 0.3636



93.9662, 0.3235, 0.3706



77.9672, 0.3110, 0.3647



17.2306, 0.3191, 0.3528



35.2508, 0.3364, 0.5711



2.8252, 0.3469, 0.5627

Inverse Universe

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



65.1641, 0.3026, 0.2944



73.0218, 0.3004, 0.2875



67.7883, 0.3143, 0.2957



14.9203, 0.3058, 0.3052



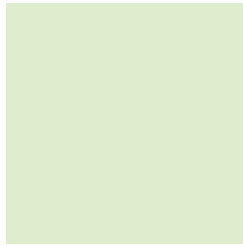
5.5558, 0.2028, 0.0891



0.4935, 0.2178, 0.0973

Previews

White Background



This preview shows how the Yxy color 80.3483, 0.3218, 0.3636 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 80.3483, 0.3218, 0.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

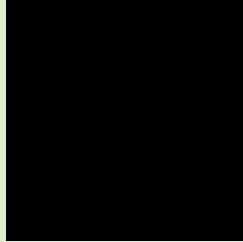
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

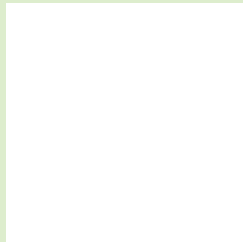
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3483, 0.3218, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 80.3483, 0.3218, 0.3636.

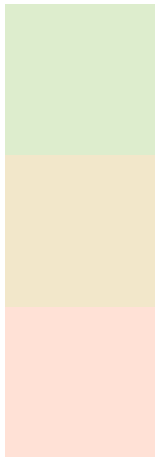


This preview shows how white text looks on a background with the Yxy color 80.3483, 0.3218, 0.3636.

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

80.3483, 0.3218, 0.3636

Protanopia

80.2933, 0.3394, 0.3592

Deuteranopia

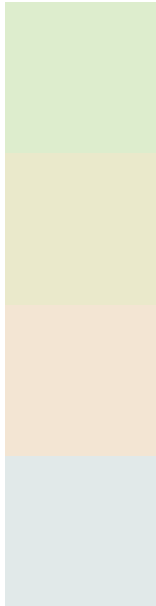
79.9655, 0.3416, 0.3401



Tritanopia

80.4854, 0.2996, 0.3105

Trichromacy



Original Color

80.3483, 0.3218, 0.3636

Protanomaly

80.0820, 0.3327, 0.3607

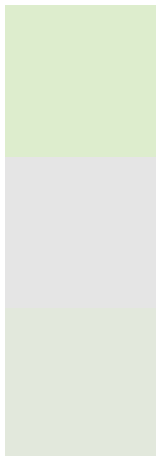
Deuteranomaly

79.7965, 0.3343, 0.3477

Tritanomaly

80.1686, 0.3074, 0.3290

Monochromacy



Original Color

80.3483, 0.3218, 0.3636

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0493, 0.3162, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3483, 0.3218, 0.3636 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(221, 237, 205)` looks like.

```
.text, #text, p{  
    color:rgb(221, 237, 205)  
}
```

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(221, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 237, 205) }
```

Border

The CSS property to change the border of an element to Yxy 80.3483, 0.3218, 0.3636 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(221, 237, 205) }
```

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

```
.border{ border-color:rgb(221, 237, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 237, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(221, 237,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3483, 0.3218, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 237, 205) }
```

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

```
.background{ background-color: rgb(221,  
237, 205) }
```

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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