

Converting Colors

$Yxy(80.7044, 0.3265, 0.3815)$

Have a look what the booklet for
Yxy(80.7044, 0.3265, 0.3815)
contains.

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Color

Yxy(80.7249, 0.3262, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	D8F0C0
RGB	216, 240, 192
RGB Percent	85%, 94%, 75%
CMY	0.1527, 0.0589, 0.2471
CMYK	0.10, 0.00, 0.20, 0.06
HSL	90°, 62%, 85%
HSV	90°, 20%, 94%
XYZ	69.0054, 80.7249, 61.8129
YIQ	227.3520, 1.1040, -20.0160

Conversions

Conversions Part 2

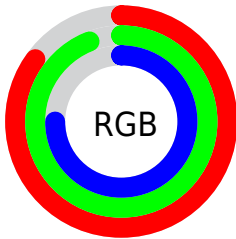
Format	Color
RYB	192, 240, 216
Decimal	14217408
CIELab	92.01, -16.17, 20.62
CIElCh	92, 26.205, 128.108
Yxy	80.7249, 0.3262, 0.3816
Android (android.graphics.Color)	4292407488 (0xFFD8F0C0)
YUV	227.3520, -17.4285, -9.9557
Hunter-Lab	89.8470, -20.1386, 22.1026

Details

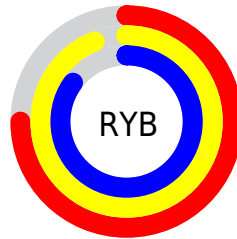
The Yxy color **80.7249, 0.3262, 0.3816** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.5796, 0.2968, 0.2765**, and the grayscale version is **77.2225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **43.6930, 0.3291, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **77.9919, 0.3325, 0.4107**, and if you desaturate by 10%, it is **83.7712, 0.3195, 0.3542**.

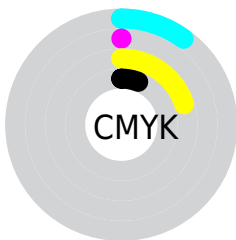
Distribution



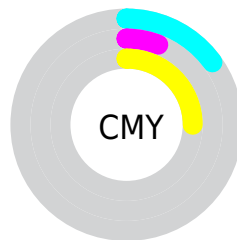
- Red (85%)
- Green (94%)
- Blue (75%)



- Red (75%)
- Yellow (94%)
- Blue (85%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7249, 0.3262, 0.3816 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 80.7249, 0.3262, 0.3816 by changing the saturation by 10% instead.

 80.7249, 0.3262,
0.3816

 80.7249, 0.3262,
0.3816


497.3724, 0.3204,
0.3571

 60.3151, 0.3274,
0.3872


 134.3844, 0.3243,
0.3730

 43.6726, 0.3288,
0.3942


168.4029, 0.3235,
0.3697

 30.4132, 0.3305,
0.4031


207.7264, 0.3229,
0.3669

 20.1524, 0.3325,
0.4147

252.7392, 0.3223,
0.3644

 12.5059, 0.3349,
0.4306

303.8259, 0.3217,
0.3622

 7.0892, 0.3376,
0.4534


361.3707, 0.3213,


 3.5180, 0.3400,


0.3603


0.4887


425.7581, 0.3208,
0.3586


 1.4077, 0.3807,
0.6166


 0.2224, 0.0000,
1.0000


 80.7249, 0.3262,
0.3816

 80.7249, 0.3262,
0.3816


 77.9919, 0.3325,
0.4107


 83.7712, 0.3195,
0.3542


 75.5505, 0.3381,
0.4407

 87.1308, 0.3127,
0.3290

 73.3923, 0.3425,
0.4707

 90.2240, 0.3114,
0.3145

 71.5041, 0.3453,
0.4993

 90.7951, 0.3134,
0.3146

■ 69.8718, 0.3461,
0.5248

■ 68.4794, 0.3446,
0.5459

■ 67.3083, 0.3410,
0.5614

■ 66.3296, 0.3357,
0.5717

■ 66.3294, 0.3357,
0.5717

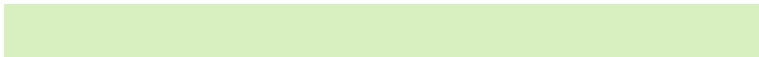
Harmonies

Analogous

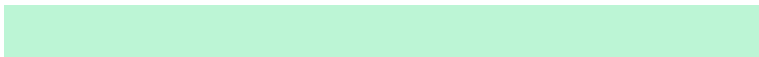
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7249, 0.3539, 0.3814



80.7249, 0.3262, 0.3816



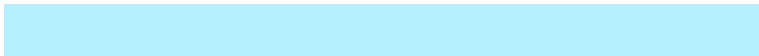
80.7249, 0.2958, 0.3656

Triad

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



80.7249, 0.3262, 0.3816



80.7249, 0.2574, 0.2886



80.7249, 0.3558, 0.3181

Complementary

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



80.7249, 0.3262, 0.3816



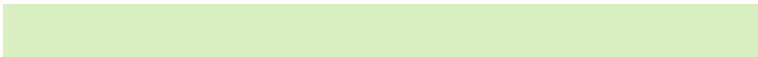
58.5796, 0.2968, 0.2765

Split Complementary

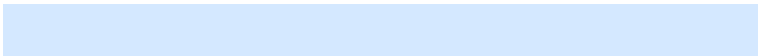
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7249, 0.3279, 0.2961



80.7249, 0.3262, 0.3816



80.7249, 0.2716, 0.2791

Square

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



80.7249, 0.3262, 0.3816



80.7249, 0.2571, 0.3098



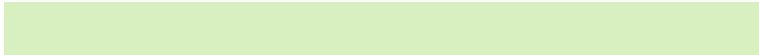
80.7249, 0.2970, 0.2821



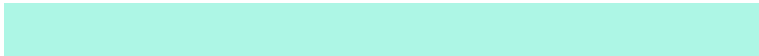
80.7249, 0.3718, 0.3435

Rectangle

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



80.7249, 0.3262, 0.3816



80.7249, 0.2781, 0.3481



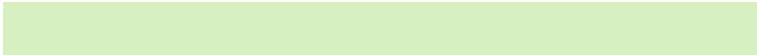
80.7249, 0.2970, 0.2821



80.7249, 0.3474, 0.3102

Sweetspot

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



80.7284, 0.3262, 0.3816



97.6348, 0.3168, 0.3439



71.0305, 0.3477, 0.3539



20.8445, 0.3172, 0.3456



0.0000, 0.0000, 0.0000



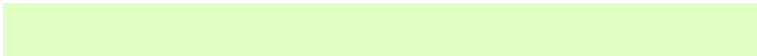
21.4041, 0.3127, 0.3290

Same Dimension

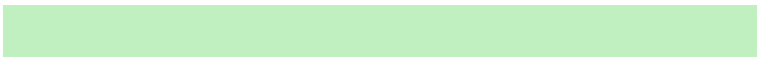
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7284, 0.3262, 0.3816



91.3296, 0.3288, 0.3933



77.4322, 0.3106, 0.3842



18.0456, 0.3191, 0.3529



36.3918, 0.3368, 0.5708



3.0866, 0.3467, 0.5629

Inverse Universe

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



58.5796, 0.2968, 0.2765



61.6137, 0.2929, 0.2648



62.3745, 0.3144, 0.2792



15.6160, 0.3058, 0.3051



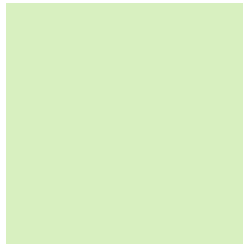
5.6972, 0.2021, 0.0887



0.5331, 0.2163, 0.0965

Previews

White Background



This preview shows how the Yxy color 80.7249, 0.3262, 0.3816 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 80.7249, 0.3262, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

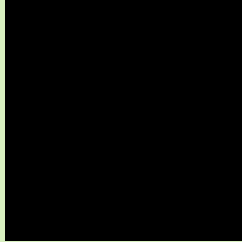
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

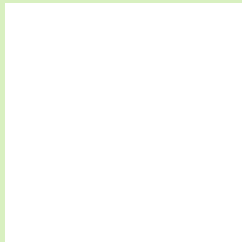
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7249, 0.3262, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 80.7249, 0.3262, 0.3816.

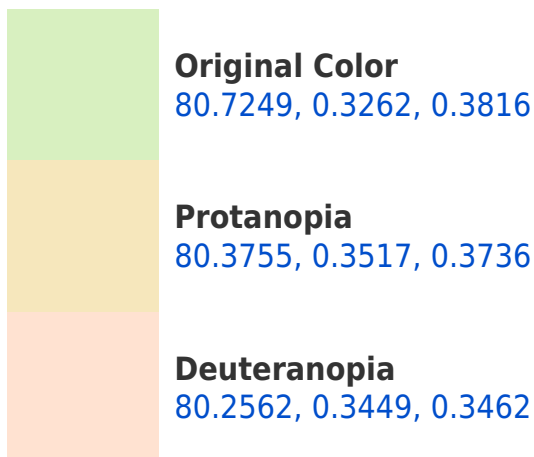


This preview shows how white text looks on a background with the Yxy color 80.7249, 0.3262, 0.3816.

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

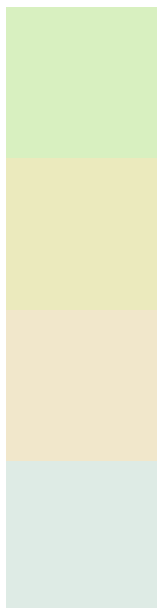




Tritanopia

80.6229, 0.2971, 0.3104

Trichromacy



Original Color

80.7249, 0.3262, 0.3816

Protanomaly

80.1819, 0.3424, 0.3767

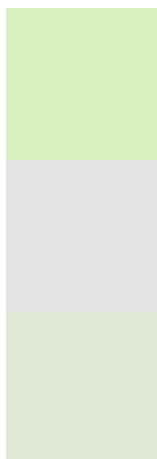
Deuteranomaly

80.1644, 0.3380, 0.3582

Tritanomaly

80.6034, 0.3078, 0.3353

Monochromacy



Original Color

80.7249, 0.3262, 0.3816

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.2562, 0.3180, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7249, 0.3262, 0.3816 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(216, 240, 192)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 192)  
}
```

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(216, 240, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 192) }
```

Border

The CSS property to change the border of an element to Yxy 80.7249, 0.3262, 0.3816 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(216, 240, 192) }
```

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

```
.border{ border-color:rgb(216, 240, 192) }
```

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

Here you see how a box with a 4 pixel rgb(216, 240, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 192);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7249, 0.3262, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 192) }
```

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

```
.background{ background-color: rgb(216,  
240, 192) }
```

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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