

Converting Colors

Yxy(82.4532, 0.3198, 0.3622)

Have a look what the booklet for
Yxy(82.4532, 0.3198, 0.3622)
contains.

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Color

Yxy(82.4532, 0.3198, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	DEF0D1
RGB	222, 240, 209
RGB Percent	87%, 94%, 82%
CMY	0.1292, 0.0588, 0.1804
CMYK	0.07, 0.00, 0.13, 0.06
HSL	95°, 51%, 88%
HSV	95°, 13%, 94%
XYZ	72.8010, 82.4532, 72.3913
YIQ	231.0840, -0.7770, -13.4570

Conversions

Conversions Part 2

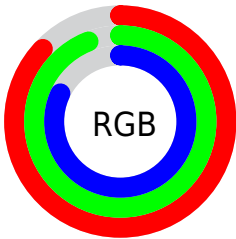
Format	Color
R_{YB}	209, 240, 227
Decimal	14610641
CIE _{Lab}	92.77, -11.38, 12.98
CIE _{LCh}	93, 17.265, 131.227
Yxy	82.4532, 0.3198, 0.3622
Android (android.graphics.Color)	4292800721 (0xFFDEF0D1)
YUV	231.0840, -10.8874, -7.9667
Hunter-Lab	90.8037, -15.7959, 16.2950

Details

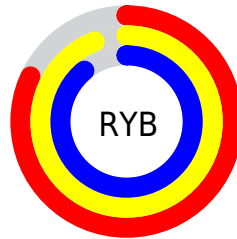
The Yxy color **82.4532, 0.3198, 0.3622** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.2080, 0.3048, 0.2962**, and the grayscale version is **80.0661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8630, 0.3210, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **79.2510, 0.3251, 0.3905**, and if you desaturate by 10%, it is **86.0224, 0.3143, 0.3361**.

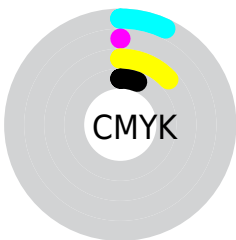
Distribution



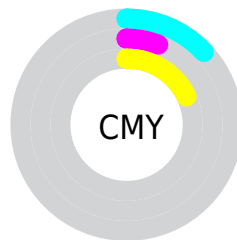
- Red (87%)
- Green (94%)
- Blue (82%)



- Red (82%)
- Yellow (94%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)





- Cyan (13%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.4532, 0.3198, 0.3622 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 82.4532, 0.3198, 0.3622 by changing the saturation by 10% instead.

 82.4532, 0.3198,
0.3622

 82.4532, 0.3198,
0.3622


503.1624, 0.3167,
0.3469

 61.7392, 0.3204,
0.3657

136.8094, 0.3188,
0.3569

 44.8220, 0.3212,
0.3700

171.2203, 0.3184,
0.3548

 31.3172, 0.3222,
0.3754


210.9656, 0.3180,
0.3530

 20.8405, 0.3233,
0.3825

256.4298, 0.3177,
0.3515

 13.0075, 0.3248,
0.3922

307.9971, 0.3174,
0.3501

 7.4337, 0.3266,
0.4061

366.0521, 0.3172,

 3.7348, 0.3289,

0.3489

0.4276

430.9790, 0.3169,
0.3479

■ 1.5263, 0.3349,
0.4703

■ 0.3072, 0.0441,
0.9559

■ 82.4532, 0.3198,
0.3622

■ 82.4532, 0.3198,
0.3622

■ 79.2510, 0.3251,
0.3905

■ 86.0224, 0.3143,
0.3361

■ 76.3929, 0.3299,
0.4207

■ 89.8309, 0.3100,
0.3144

■ 73.8694, 0.3338,
0.4518

■ 90.7975, 0.3134,
0.3146

■ 71.6663, 0.3366,
0.4828

■ 69.7685, 0.3377,
0.5120

■ 68.1595, 0.3369,
0.5377

■ 66.8204, 0.3341,
0.5583

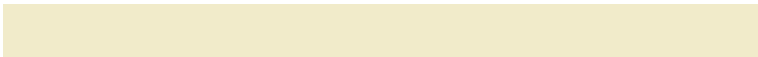
■ 65.7294, 0.3294,
0.5728

■ 65.0864, 0.3254,
0.5798

Harmonies

Analogous

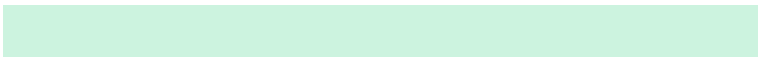
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4532, 0.3383, 0.3637



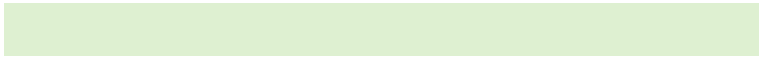
82.4532, 0.3198, 0.3622



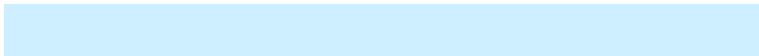
82.4532, 0.2999, 0.3510

Triad

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



82.4532, 0.3198, 0.3622



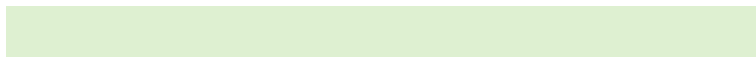
82.4532, 0.2765, 0.3016



82.4532, 0.3423, 0.3238

Complementary

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



82.4532, 0.3198, 0.3622



68.2080, 0.3048, 0.2962

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.



82.4532, 0.3249, 0.3085



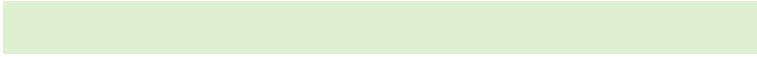
82.4532, 0.3198, 0.3622



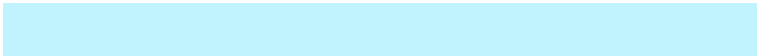
82.4532, 0.2871, 0.2957

Square

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



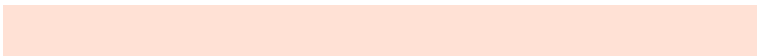
82.4532, 0.3198, 0.3622



82.4532, 0.2753, 0.3152



82.4532, 0.3047, 0.2983



82.4532, 0.3516, 0.3408

Rectangle

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



82.4532, 0.3198, 0.3622



82.4532, 0.2884, 0.3396



82.4532, 0.3047, 0.2983



82.4532, 0.3372, 0.3183

Sweetspot

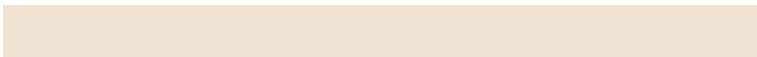
The Sweet Spot groups the original color and five complimentary colors.



82.4568, 0.3198, 0.3622



98.2574, 0.3149, 0.3389



77.8248, 0.3339, 0.3474



20.9626, 0.3153, 0.3408



0.0000, 0.0000, 0.0000



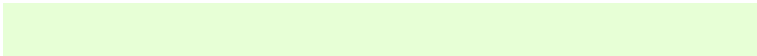
21.4041, 0.3127, 0.3290

Same Dimension

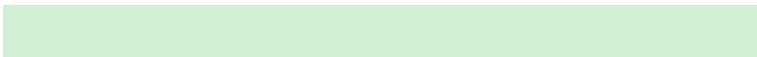
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4568, 0.3198, 0.3622



93.4369, 0.3215, 0.3708



80.5772, 0.3099, 0.3607



17.9815, 0.3179, 0.3530



35.7051, 0.3266, 0.5789



3.0276, 0.3368, 0.5708

Inverse Universe

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



68.2080, 0.3048, 0.2962



73.5610, 0.3026, 0.2878



70.2889, 0.3156, 0.2992



15.6807, 0.3071, 0.3052



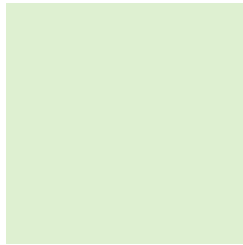
6.5269, 0.2186, 0.0978



0.6014, 0.2316, 0.1050

Previews

White Background



This preview shows how the Yxy color 82.4532, 0.3198, 0.3622 looks on a white background.

Color Contrast Check

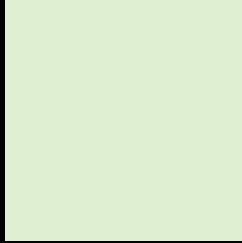
Large Text (above 18pt) WCAG AA × Fail

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 82.4532, 0.3198, 0.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

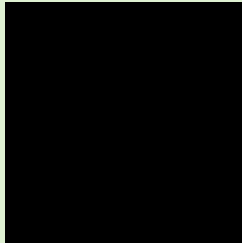
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

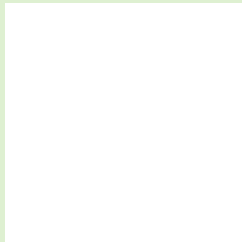
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4532, 0.3198, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 82.4532, 0.3198, 0.3622.

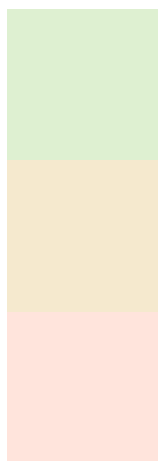


This preview shows how white text looks on a background with the Yxy color 82.4532, 0.3198, 0.3622.

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

82.4532, 0.3198, 0.3622

Protanopia

82.1465, 0.3385, 0.3568

Deuteranopia

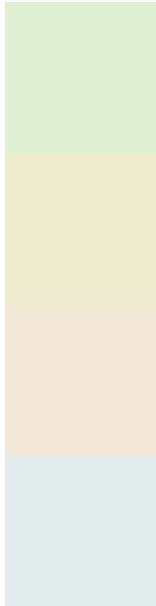
81.9141, 0.3370, 0.3371



Tritanopia

82.5319, 0.2985, 0.3106

Trichromacy



Original Color

82.4532, 0.3198, 0.3622

Protanomaly

82.5004, 0.3318, 0.3593

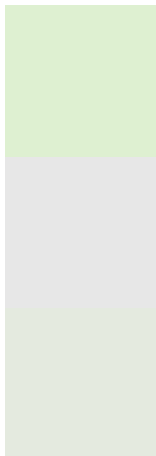
Deuteranomaly

81.7258, 0.3306, 0.3455

Tritanomaly

82.2158, 0.3061, 0.3290

Monochromacy



Original Color

82.4532, 0.3198, 0.3622

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6673, 0.3155, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4532, 0.3198, 0.3622 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(222, 240, 209)` looks like.

```
.text, #text, p{  
    color:rgb(222, 240, 209)  
}
```

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(222, 240, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 240, 209) }
```

Border

The CSS property to change the border of an element to Yxy 82.4532, 0.3198, 0.3622 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(222, 240, 209) }
```

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

```
.border{ border-color:rgb(222, 240, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 240, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 240, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 240, 209);  
box-shadow:4px 4px 4px 4px rgb(222, 240,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4532, 0.3198, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 240, 209) }
```

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

```
.background{ background-color: rgb(222,  
240, 209) }
```

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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