

Converting Colors

$Yxy(82.5932, 0.3039, 0.3338)$

Have a look what the booklet for
Yxy(82.5932, 0.3039, 0.3338)
contains.

Yxy(82.4617, 0.3040, 0.3332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.4617, 0.3040, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	DDEEEA
RGB	221, 238, 234
RGB Percent	87%, 93%, 92%
CMY	0.1335, 0.0666, 0.0824
CMYK	0.07, 0.00, 0.02, 0.07
HSL	166°, 33%, 90%
HSV	166°, 7%, 93%
XYZ	75.2352, 82.4617, 89.7872
YIQ	232.4610, -8.8480, -4.8480

Conversions

Conversions Part 2

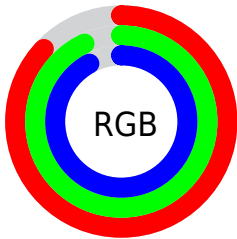
Format	Color
R _Y B	221, 231, 238
Decimal	14544618
CIE Lab	92.78, -6.35, -0.00
CIE LCh	93, 6.351, 180.003
Yxy	82.4617, 0.3040, 0.3332
Android (android.graphics.Color)	4292734698 (0xFFDDEEEA)
YUV	232.4610, 0.7587, -10.0513
Hunter-Lab	90.8084, -11.0267, 4.9426

Details

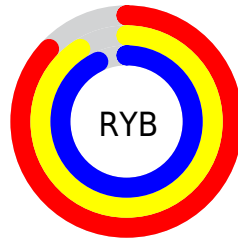
The Yxy color **82.4617, 0.3040, 0.3332** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.3094, 0.3222, 0.3248**, and the grayscale version is **81.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7772, 0.3024, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **78.6733, 0.2922, 0.3396**, and if you desaturate by 10%, it is **86.7969, 0.3162, 0.3274**.

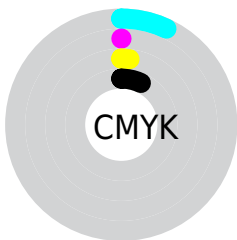
Distribution



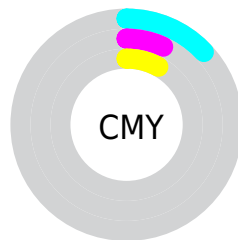
- Red (87%)
- Green (93%)
- Blue (92%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



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



- Cyan (13%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4617, 0.3040, 0.3332 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 82.4617, 0.3040, 0.3332 by changing the saturation by 10% instead.

■ 82.4617, 0.3040,
0.3332

■ 82.4617, 0.3040,
0.3332

503.1907, 0.3079,
0.3313

■ 61.7462, 0.3031,
0.3336

136.8213, 0.3054,
0.3326

■ 44.8276, 0.3020,
0.3341

171.2341, 0.3059,
0.3323

■ 31.3217, 0.3007,
0.3348

210.9815, 0.3063,
0.3321

■ 20.8439, 0.2989,
0.3356

256.4479, 0.3067,
0.3319

■ 13.0100, 0.2966,
0.3367

308.0176, 0.3071,
0.3317

■ 7.4354, 0.2933,
0.3383

366.0750, 0.3074,

■ 3.7359, 0.2883,

0.3316

0.3407

431.0046, 0.3077,
0.3314

■ 1.5269, 0.2799,
0.3447

■ 0.3076, 0.1761,
0.3944

■ 82.4617, 0.3040,
0.3332

■ 82.4617, 0.3040,
0.3332

■ 78.6733, 0.2922,
0.3396

■ 86.7969, 0.3162,
0.3274

■ 75.3990, 0.2812,
0.3466

■ 89.0247, 0.3195,
0.3220

■ 72.6183, 0.2712,
0.3541

■ 89.3733, 0.3160,
0.3166

■ 70.3057, 0.2626,
0.3621

■ 89.6385, 0.3135,
0.3127

■ 68.4331, 0.2555,
0.3705

■ 66.9692, 0.2503,
0.3792

■ 65.8787, 0.2470,
0.3881

■ 65.1203, 0.2458,
0.3969

■ 64.6402, 0.2464,
0.4056

Harmonies

Analogous

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



82.4617, 0.3108, 0.3388



82.4617, 0.3040, 0.3332



82.4617, 0.2996, 0.3265

Triad

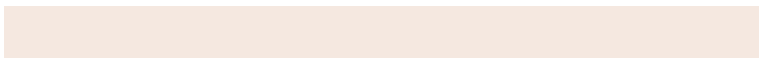
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4617, 0.3040, 0.3332



82.4617, 0.3072, 0.3167



82.4617, 0.3270, 0.3372

Complementary

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



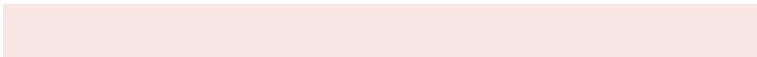
82.4617, 0.3040, 0.3332



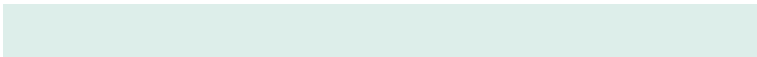
75.3094, 0.3222, 0.3248

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.



82.4617, 0.3261, 0.3313



82.4617, 0.3040, 0.3332



82.4617, 0.3145, 0.3196

Square

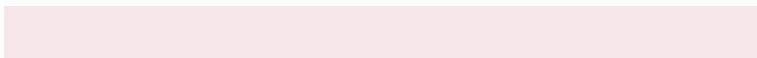
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4617, 0.3040, 0.3332



82.4617, 0.3014, 0.3171



82.4617, 0.3215, 0.3248



82.4617, 0.3241, 0.3410

Rectangle

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



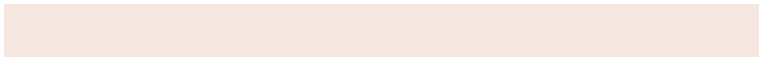
82.4617, 0.3040, 0.3332



82.4617, 0.2985, 0.3224



82.4617, 0.3215, 0.3248



82.4617, 0.3272, 0.3354

Sweetspot

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



82.4652, 0.3040, 0.3332



98.9683, 0.3103, 0.3301



82.4212, 0.3147, 0.3470



21.1941, 0.3104, 0.3301



0.0000, 0.0000, 0.0000



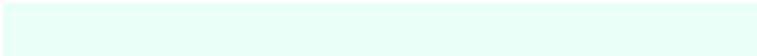
21.4041, 0.3127, 0.3290

Same Dimension

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



82.4652, 0.3040, 0.3332



95.5604, 0.3018, 0.3344



80.2457, 0.3016, 0.3245



17.8615, 0.3012, 0.3346



36.0170, 0.2463, 0.4067



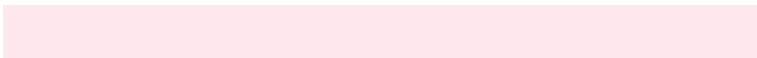
3.0115, 0.2431, 0.3952

Inverse Universe

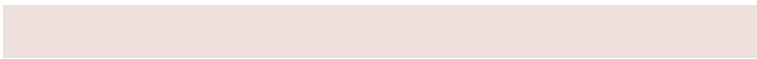
The Inverse Universe completely reimagines the original color for something new.



75.3094, 0.3222, 0.3248



85.1430, 0.3249, 0.3237



77.3718, 0.3245, 0.3335



15.8200, 0.3256, 0.3235



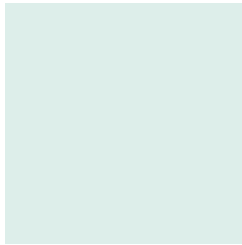
10.3177, 0.5972, 0.3064



0.8733, 0.5607, 0.2862

Previews

White Background



This preview shows how the Yxy color 82.4617, 0.3040, 0.3332 looks on a white background.

Color Contrast Check

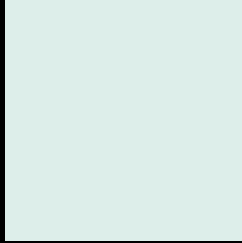
Large Text (above 18pt) WCAG AA × Fail

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 82.4617, 0.3040, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

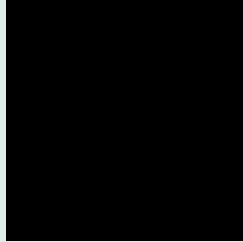
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

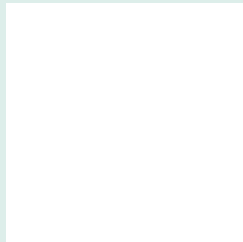
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4617, 0.3040, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 82.4617, 0.3040, 0.3332.

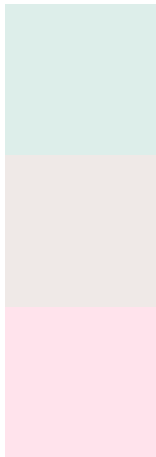


This preview shows how white text looks on a background with the Yxy color 82.4617, 0.3040, 0.3332.

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

82.4617, 0.3040, 0.3332

Protanopia

82.3981, 0.3180, 0.3311

Deuteranopia

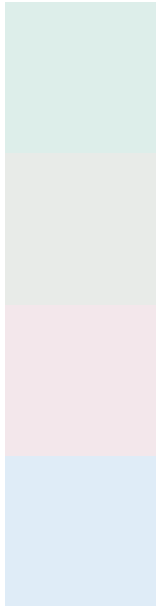
82.2543, 0.3264, 0.3202



Tritanopia

82.4197, 0.2942, 0.3095

Trichromacy



Original Color

82.4617, 0.3040, 0.3332

Protanomaly

82.3987, 0.3126, 0.3321

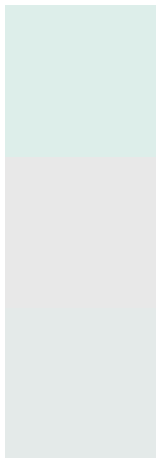
Deuteranomaly

82.2047, 0.3184, 0.3250

Tritanomaly

82.3943, 0.2976, 0.3176

Monochromacy



Original Color

82.4617, 0.3040, 0.3332

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2228, 0.3093, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4617, 0.3040, 0.3332 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, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 234)  
}
```

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, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 234) }
```

Border

The CSS property to change the border of an element to Yxy 82.4617, 0.3040, 0.3332 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, 238, 234) }
```

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

```
.border{ border-color:rgb(221, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4617, 0.3040, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 234) }
```

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

```
.background{ background-color: rgb(221,  
238, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor