

Converting Colors

$Y_{xy}(82.1205, 0.3036, 0.3301)$

Have a look what the booklet for
Yxy(82.1205, 0.3036, 0.3301)
contains.

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Color

Yxy(82.1541, 0.3035, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	DEEDEC
RGB	222, 237, 236
RGB Percent	87%, 93%, 93%
CMY	0.1293, 0.0706, 0.0745
CMYK	0.06, 0.00, 0.00, 0.07
HSL	176°, 29%, 90%
HSV	176°, 6%, 93%
XYZ	75.5569, 82.1541, 91.2408
YIQ	232.4010, -8.6190, -3.4910

Conversions

Conversions Part 2

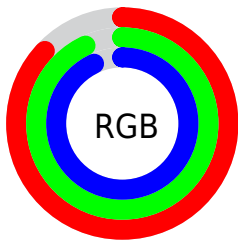
Format	Color
R _Y B	222, 230, 237
Decimal	14609900
CIE Lab	92.64, -5.11, -1.24
CIE LCh	93, 5.258, 193.647
Yxy	82.1541, 0.3035, 0.3300
Android (android.graphics.Color)	4292799980 (0xFFDEEDEC)
YUV	232.4010, 1.7743, -9.1217
Hunter-Lab	90.6389, -9.8199, 3.7635

Details

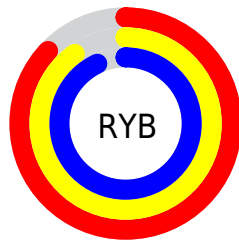
The Yxy color **82.1541, 0.3035, 0.3300** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.5917, 0.3227, 0.3280**, and the grayscale version is **81.0094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5585, 0.3017, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **78.5838, 0.2895, 0.3317**, and if you desaturate by 10%, it is **86.2581, 0.3182, 0.3284**.

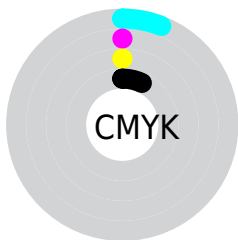
Distribution



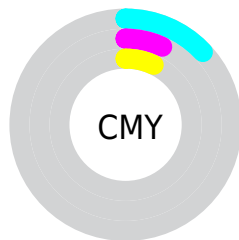
- Red (87%)
- Green (93%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1541, 0.3035, 0.3300 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 82.1541, 0.3035, 0.3300 by changing the saturation by 10% instead.

82.1541, 0.3035,
0.3300

82.1541, 0.3035,
0.3300

502.1630, 0.3077,
0.3296

61.4926, 0.3026,
0.3301

136.3901, 0.3049,
0.3299

44.6228, 0.3014,
0.3302

170.7333, 0.3055,
0.3298

31.1604, 0.3000,
0.3303

210.4059, 0.3060,
0.3297

20.7210, 0.2982,
0.3305

255.7922, 0.3064,
0.3297

12.9202, 0.2957,
0.3308

307.2767, 0.3068,
0.3297

7.3737, 0.2922,
0.3311

365.2438, 0.3071,

3.6969, 0.2870,

0.3296

0.3315

430.0777, 0.3074,
0.3296

■ 1.5055, 0.2781,
0.3322

■ 0.2926, 0.1802,
0.3437

■ 82.1541, 0.3035,
0.3300

■ 82.1541, 0.3035,
0.3300

■ 78.5838, 0.2895,
0.3317

■ 86.2581, 0.3182,
0.3284

■ 75.5151, 0.2764,
0.3336

■ 88.0655, 0.3234,
0.3270

■ 72.9280, 0.2646,
0.3356

■ 88.1580, 0.3225,
0.3254

■ 70.7973, 0.2543,
0.3376


■ 88.2512, 0.3215,
0.3239


 69.0956, 0.2458,
0.3398


 88.3453, 0.3205,
0.3224

 67.7925, 0.2391,
0.3420

 88.4401, 0.3195,
0.3209

 66.8535, 0.2344,
0.3442

 88.5358, 0.3185,
0.3194

 66.2383, 0.2316,
0.3465

 88.6322, 0.3176,
0.3179

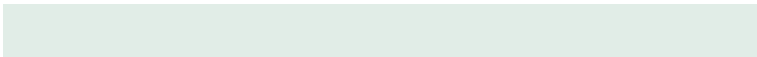
 65.8967, 0.2306,
0.3486

 88.7294, 0.3166,
0.3164

Harmonies

Analogous

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



82.1541, 0.3084, 0.3352



82.1541, 0.3035, 0.3300



82.1541, 0.3011, 0.3246

Triad

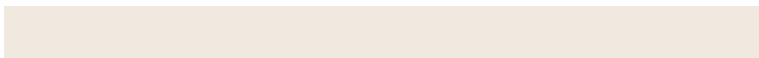
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1541, 0.3035, 0.3300



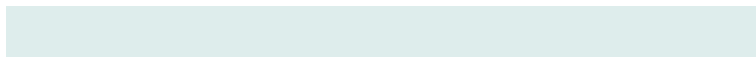
82.1541, 0.3109, 0.3196



82.1541, 0.3239, 0.3375

Complementary

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



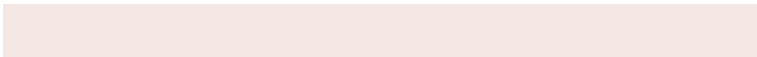
82.1541, 0.3035, 0.3300



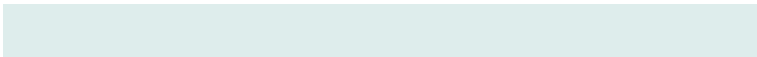
75.5917, 0.3227, 0.3280

Split Complementary

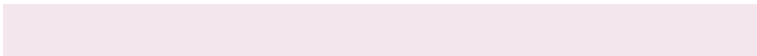
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1541, 0.3245, 0.3333



82.1541, 0.3035, 0.3300



82.1541, 0.3170, 0.3230

Square

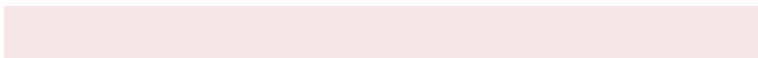
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1541, 0.3035, 0.3300



82.1541, 0.3053, 0.3186



82.1541, 0.3220, 0.3279



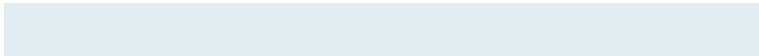
82.1541, 0.3202, 0.3395

Rectangle

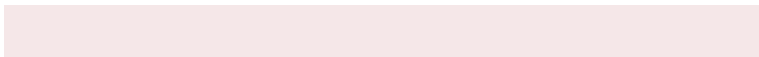
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



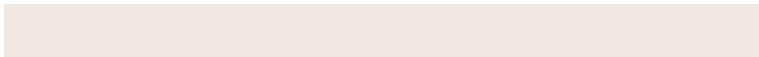
82.1541, 0.3035, 0.3300



82.1541, 0.3011, 0.3216



82.1541, 0.3220, 0.3279



82.1541, 0.3245, 0.3363

Sweetspot

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



82.1576, 0.3035, 0.3300



99.0240, 0.3098, 0.3293



81.5343, 0.3126, 0.3449



21.2054, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



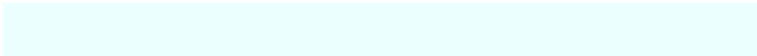
21.4041, 0.3127, 0.3290

Same Dimension

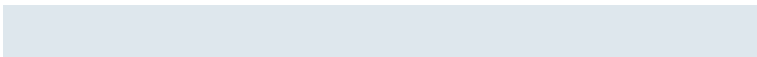
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1576, 0.3035, 0.3300



96.2482, 0.3010, 0.3303



78.5275, 0.3030, 0.3221



17.1038, 0.2990, 0.3305



35.9387, 0.2303, 0.3491



2.8272, 0.2295, 0.3460

Inverse Universe

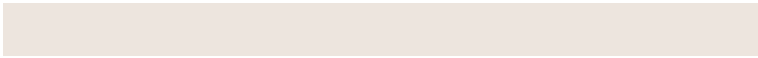
The Inverse Universe completely reimagines the original color for something new.



75.5917, 0.3227, 0.3280



86.5005, 0.3257, 0.3277



79.0508, 0.3228, 0.3358



15.0701, 0.3283, 0.3275



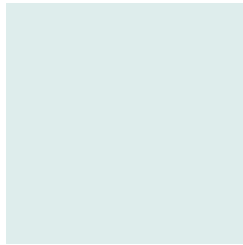
9.8561, 0.6330, 0.3261



0.7796, 0.6146, 0.3159

Previews

White Background



This preview shows how the Yxy color 82.1541, 0.3035, 0.3300 looks on a white background.

Color Contrast Check

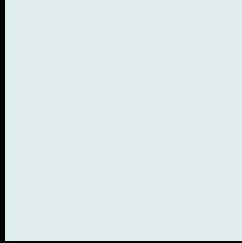
Large Text (above 18pt) WCAG AA × Fail

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 82.1541, 0.3035, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

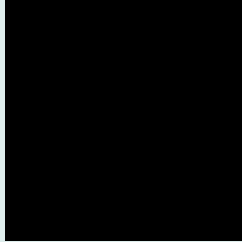
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

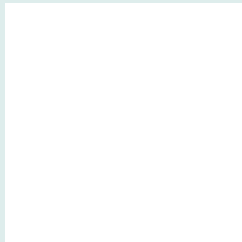
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1541, 0.3035, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 82.1541, 0.3035, 0.3300.

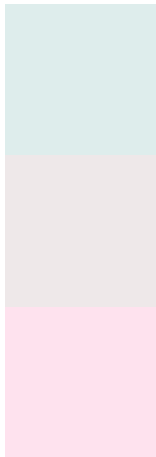


This preview shows how white text looks on a background with the Yxy color 82.1541, 0.3035, 0.3300.

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

82.1541, 0.3035, 0.3300

Protanopia

81.7736, 0.3162, 0.3280

Deuteranopia

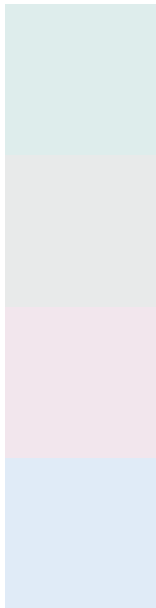
81.6366, 0.3244, 0.3172



Tritanopia

81.9450, 0.2954, 0.3095

Trichromacy



Original Color

82.1541, 0.3035, 0.3300

Protanomaly

81.9420, 0.3114, 0.3290

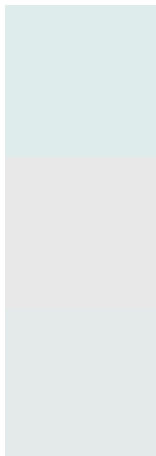
Deuteranomaly

81.5853, 0.3165, 0.3219

Tritanomaly

81.9794, 0.2983, 0.3166

Monochromacy



Original Color

82.1541, 0.3035, 0.3300

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 82.1541, 0.3035, 0.3300 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, 237, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 236)  
}
```

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, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 236) }
```

Border

The CSS property to change the border of an element to Yxy 82.1541, 0.3035, 0.3300 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, 237, 236) }
```

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

```
.border{ border-color:rgb(222, 237, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1541, 0.3035, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 236) }
```

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

```
.background{ background-color: rgb(222,  
237, 236) }
```

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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