

Converting Colors

$Yxy(86.2126, 0.3053, 0.3436)$

Have a look what the booklet for
Yxy(86.2126, 0.3053, 0.3436)
contains.

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Color

Yxy(86.2900, 0.3050, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	DCF5E7
RGB	220, 245, 231
RGB Percent	86%, 96%, 91%
CMY	0.1372, 0.0392, 0.0940
CMYK	0.10, 0.00, 0.06, 0.04
HSL	146°, 56%, 91%
HSV	146°, 10%, 96%
XYZ	76.5962, 86.2900, 88.2489
YIQ	235.9290, -10.4060, -9.6540

Conversions

Conversions Part 2

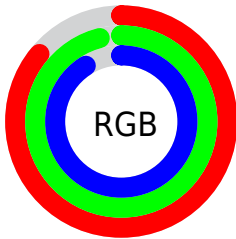
Format	Color
R _{YB}	220, 237, 245
Decimal	14480871
CIE Lab	94.44, -10.73, 3.94
CIE LCh	94, 11.425, 159.850
Yxy	86.2900, 0.3050, 0.3436
Android (android.graphics.Color)	4292670951 (0xFFDC F5E7)
YUV	235.9290, -2.4300, -13.9697
Hunter-Lab	92.8924, -15.3762, 8.6985

Details

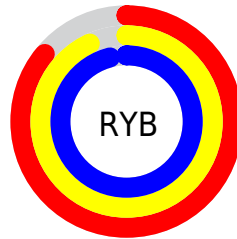
The Yxy color **86.2900, 0.3050, 0.3436** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5393, 0.3212, 0.3148**, and the grayscale version is **83.8528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4897, 0.3037, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **82.0033, 0.2976, 0.3597**, and if you desaturate by 10%, it is **91.2046, 0.3126, 0.3293**.

Distribution



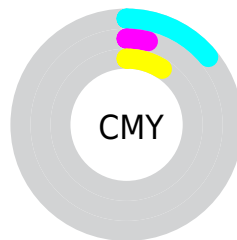
- Red (86%)
- Green (96%)
- Blue (91%)



- Red (86%)
- Yellow (93%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (14%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2900, 0.3050, 0.3436 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 86.2900, 0.3050, 0.3436 by changing the saturation by 10% instead.

 86.2900, 0.3050,
0.3436

 86.2900, 0.3050,
0.3436

515.8870, 0.3085,
0.3370

 64.9078, 0.3042,
0.3451

142.1741, 0.3062,
0.3413

 47.3863, 0.3033,
0.3469

177.4448, 0.3067,
0.3404

 33.3412, 0.3020,
0.3492


218.1138, 0.3071,
0.3397

 22.3879, 0.3005,
0.3522

264.5655, 0.3074,
0.3390

 14.1422, 0.2984,
0.3561

317.1842, 0.3078,
0.3384

 8.2196, 0.2954,
0.3618

376.3545, 0.3080,

 4.2358, 0.2909,

0.3379

0.3703

442.4606, 0.3083,
0.3374

■ 1.8063, 0.2833,
0.3850

■ 0.4911, 0.2145,
0.5139

■ 86.2900, 0.3050,
0.3436

■ 86.2900, 0.3050,
0.3436

■ 82.0033, 0.2976,
0.3597

■ 91.2046, 0.3126,
0.3293

■ 78.3080, 0.2907,
0.3774

■ 93.7857, 0.3132,
0.3194

■ 75.1803, 0.2845,
0.3968

■ 72.5904, 0.2793,
0.4176

■ 70.5058, 0.2755,
0.4394

■ 68.8905, 0.2735,
0.4615

■ 67.7031, 0.2734,
0.4834

■ 66.8947, 0.2752,
0.5042

■ 66.3922, 0.2786,
0.5230

Harmonies

Analogous

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



86.2900, 0.3181, 0.3506



86.2900, 0.3050, 0.3436



86.2900, 0.2942, 0.3325

Triad

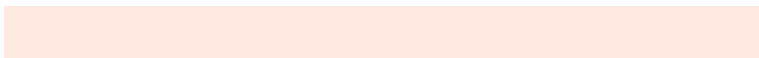
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2900, 0.3050, 0.3436



86.2900, 0.2955, 0.3071



86.2900, 0.3378, 0.3365

Complementary

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



86.2900, 0.3050, 0.3436



76.5393, 0.3212, 0.3148

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.



86.2900, 0.3315, 0.3252



86.2900, 0.3050, 0.3436



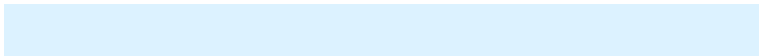
86.2900, 0.3070, 0.3085

Square

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



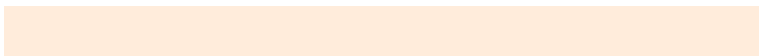
86.2900, 0.3050, 0.3436



86.2900, 0.2888, 0.3115



86.2900, 0.3202, 0.3151



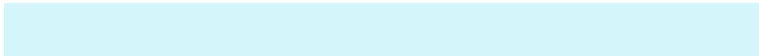
86.2900, 0.3372, 0.3461

Rectangle

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



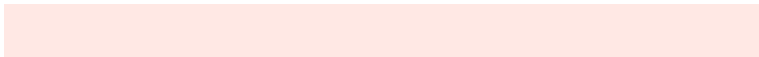
86.2900, 0.3050, 0.3436



86.2900, 0.2896, 0.3245



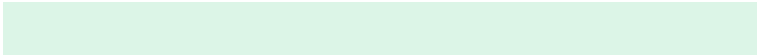
86.2900, 0.3202, 0.3151



86.2900, 0.3364, 0.3328

Sweetspot

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



86.2937, 0.3050, 0.3436



98.3057, 0.3104, 0.3331



87.9942, 0.3207, 0.3547



20.9468, 0.3098, 0.3342



0.0000, 0.0000, 0.0000



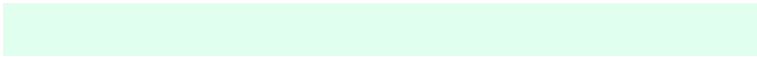
21.4041, 0.3127, 0.3290

Same Dimension

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



86.2937, 0.3050, 0.3436



93.5991, 0.3036, 0.3464



87.0131, 0.2979, 0.3307



18.5936, 0.3055, 0.3425



35.7932, 0.2778, 0.5200



3.1662, 0.2710, 0.4956

Inverse Universe

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



76.5393, 0.3212, 0.3148



81.1667, 0.3229, 0.3122



75.8571, 0.3296, 0.3273



16.6375, 0.3206, 0.3159



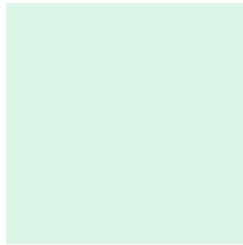
11.4565, 0.4713, 0.2370



1.0276, 0.4473, 0.2238

Previews

White Background



This preview shows how the Yxy color 86.2900, 0.3050, 0.3436 looks on a white background.

Color Contrast Check

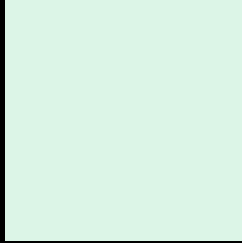
Large Text (above 18pt) WCAG AA × Fail

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 86.2900, 0.3050, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

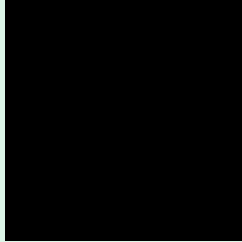
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

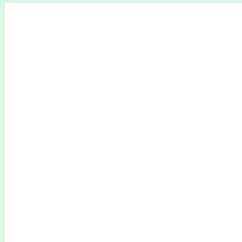
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2900, 0.3050, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 86.2900, 0.3050, 0.3436.

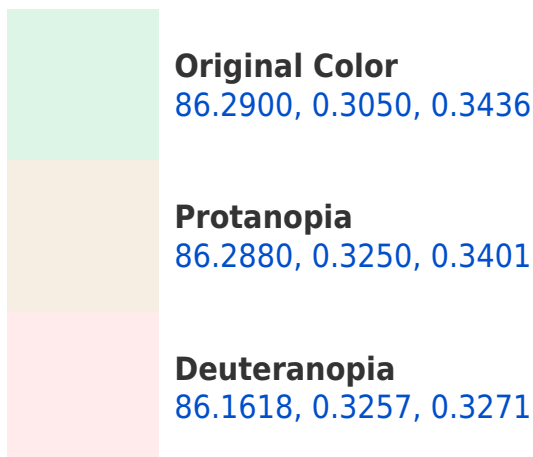


This preview shows how white text looks on a background with the Yxy color 86.2900, 0.3050, 0.3436.

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

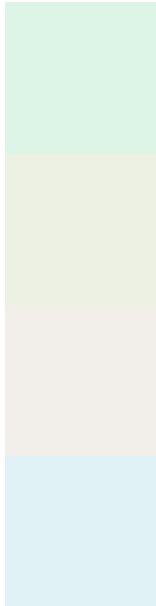




Tritanopia

86.0342, 0.2962, 0.3138

Trichromacy



Original Color

86.2900, 0.3050, 0.3436

Protanomaly

86.5166, 0.3180, 0.3423

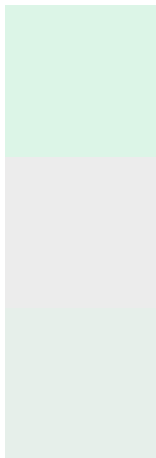
Deuteranomaly

85.9668, 0.3178, 0.3330

Tritanomaly

86.1656, 0.2995, 0.3249

Monochromacy



Original Color

86.2900, 0.3050, 0.3436

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.4965, 0.3098, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2900, 0.3050, 0.3436 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(220, 245, 231)` looks like.

```
.text, #text, p{  
    color:rgb(220, 245, 231)  
}
```

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(220, 245, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 245, 231) }
```

Border

The CSS property to change the border of an element to Yxy 86.2900, 0.3050, 0.3436 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(220, 245, 231) }
```

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

```
.border{ border-color:rgb(220, 245, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 245, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 245, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 245, 231);  
box-shadow:4px 4px 4px 4px rgb(220, 245,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2900, 0.3050, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 245, 231) }
```

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

```
.background{ background-color: rgb(220,  
245, 231) }
```

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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