

Converting Colors

$Yxy(90.5028, 0.3012, 0.3314)$

Have a look what the booklet for
Yxy(90.5028, 0.3012, 0.3314)
contains.

Yxy(90.2826, 0.3013, 0.3310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.2826, 0.3013, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	E4F8F6
RGB	228, 248, 246
RGB Percent	89%, 97%, 96%
CMY	0.1062, 0.0274, 0.0352
CMYK	0.08, 0.00, 0.01, 0.03
HSL	174°, 59%, 93%
HSV	174°, 8%, 97%
XYZ	82.1817, 90.2826, 100.2928
YIQ	241.7920, -11.2780, -4.8620

Conversions

Conversions Part 2

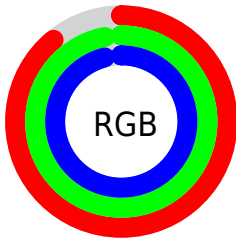
Format	Color
R _Y B	228, 239, 248
Decimal	15005942
CIE Lab	96.11, -6.91, -1.30
CIE LCh	96, 7.031, 190.620
Yxy	90.2826, 0.3013, 0.3310
Android (android.graphics.Color)	4293196022 (0xFFE4F8F6)
YUV	241.7920, 2.0745, -12.0956
Hunter-Lab	95.0172, -11.8928, 3.9301

Details

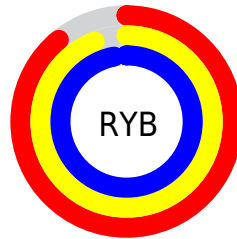
The Yxy color **90.2826, 0.3013, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1198, 0.3254, 0.3270**, and the grayscale version is **88.6048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3012, 0.2991, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **86.3669, 0.2878, 0.3337**, and if you desaturate by 10%, it is **94.7898, 0.3154, 0.3286**.

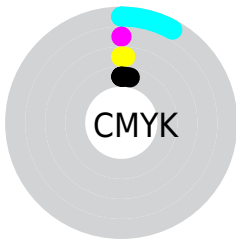
Distribution



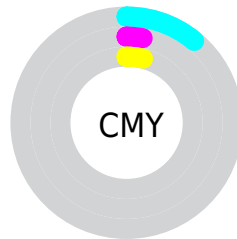
- Red (89%)
- Green (97%)
- Blue (96%)



- Red (89%)
- Yellow (94%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)





- Cyan (11%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2826, 0.3013, 0.3310 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 90.2826, 0.3013, 0.3310 by changing the saturation by 10% instead.

 90.2826, 0.3013,
0.3310

 90.2826, 0.3013,
0.3310


528.9497, 0.3064,
0.3301

 68.2151, 0.3002,
0.3312


147.7309, 0.3030,
0.3307

 50.0727, 0.2988,
0.3314


183.8804, 0.3037,
0.3306

 35.4712, 0.2972,
0.3317


225.4927, 0.3043,
0.3305

 24.0261, 0.2950,
0.3320

272.9522, 0.3048,
0.3304

 15.3529, 0.2922,
0.3325

326.6432, 0.3053,
0.3303

 9.0675, 0.2883,
0.3331

386.9502, 0.3057,

 4.7852, 0.2825,

0.3303

0.3340

454.2576, 0.3060,
0.3302

■ 2.1218, 0.2733,
0.3353

■ 0.6768, 0.2398,
0.3420

■ 90.2826, 0.3013,
0.3310

■ 90.2826, 0.3013,
0.3310

■ 86.3669, 0.2878,
0.3337

■ 94.7898, 0.3154,
0.3286

■ 83.0066, 0.2753,
0.3366

■ 95.3725, 0.3154,
0.3262


■ 80.1790, 0.2641,
0.3397


■ 95.5300, 0.3139,
0.3238


■ 77.8557, 0.2544,
0.3430


■ 95.6290, 0.3130,
0.3223

 76.0052, 0.2464,
0.3464

 74.5929, 0.2403,
0.3498

 73.5793, 0.2363,
0.3533

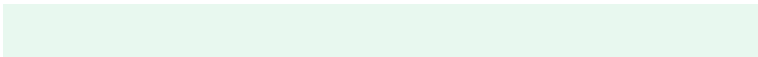
 72.9177, 0.2341,
0.3568

 72.5440, 0.2336,
0.3602

Harmonies

Analogous

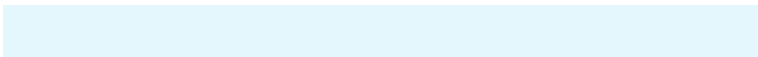
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2826, 0.3079, 0.3376



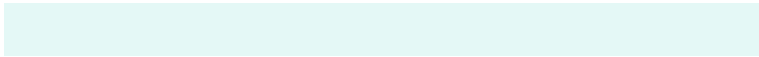
90.2826, 0.3013, 0.3310



90.2826, 0.2978, 0.3239

Triad

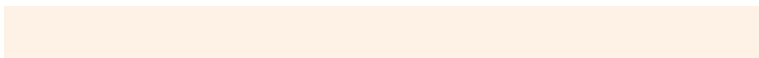
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2826, 0.3013, 0.3310



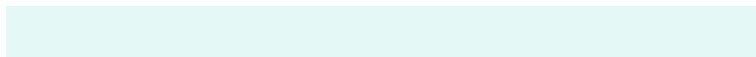
90.2826, 0.3095, 0.3165



90.2826, 0.3275, 0.3396

Complementary

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



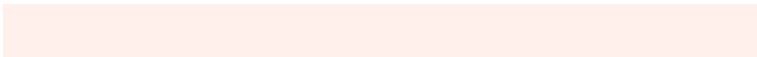
90.2826, 0.3013, 0.3310



81.1198, 0.3254, 0.3270

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.



90.2826, 0.3279, 0.3338



90.2826, 0.3013, 0.3310



90.2826, 0.3175, 0.3206

Square

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



90.2826, 0.3013, 0.3310



90.2826, 0.3024, 0.3157



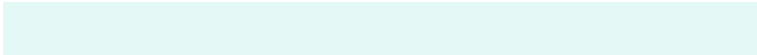
90.2826, 0.3242, 0.3269



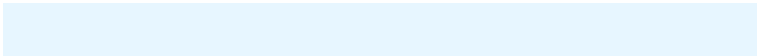
90.2826, 0.3230, 0.3426

Rectangle

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



90.2826, 0.3013, 0.3310



90.2826, 0.2976, 0.3199



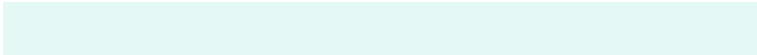
90.2826, 0.3242, 0.3269



90.2826, 0.3281, 0.3379

Sweetspot

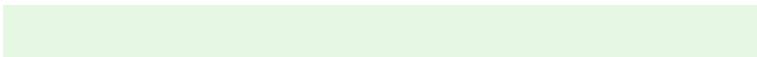
The Sweet Spot groups the original color and five complimentary colors.



90.2864, 0.3013, 0.3310



99.0127, 0.3099, 0.3295



89.6153, 0.3132, 0.3496



21.2031, 0.3100, 0.3295



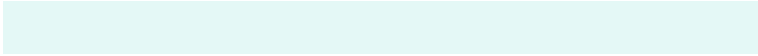
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

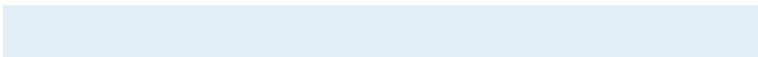
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2864, 0.3013, 0.3310



95.3172, 0.2987, 0.3315



85.7711, 0.3002, 0.3211



19.5769, 0.2994, 0.3314



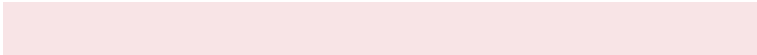
39.1618, 0.2334, 0.3603



3.6355, 0.2323, 0.3562

Inverse Universe

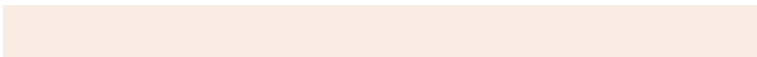
The Inverse Universe completely reimagines the original color for something new.



81.1198, 0.3254, 0.3270



83.4048, 0.3287, 0.3265



85.3383, 0.3260, 0.3368



17.2534, 0.3278, 0.3267



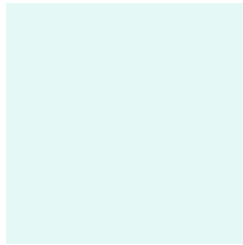
10.8271, 0.6287, 0.3237



1.0119, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 90.2826, 0.3013, 0.3310 looks on a white background.

Color Contrast Check

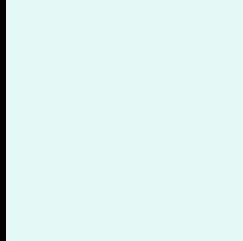
Large Text (above 18pt) WCAG AA × Fail

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 90.2826, 0.3013, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

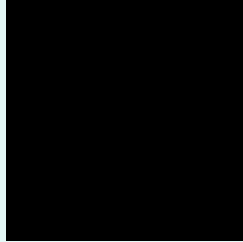
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

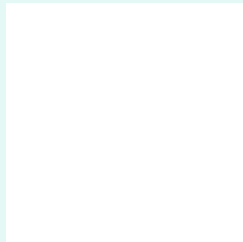
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2826, 0.3013, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 90.2826, 0.3013, 0.3310.

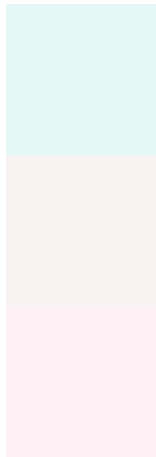


This preview shows how white text looks on a background with the Yxy color 90.2826, 0.3013, 0.3310.

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

90.2826, 0.3013, 0.3310

Protanopia

89.9318, 0.3160, 0.3280

Deuteranopia

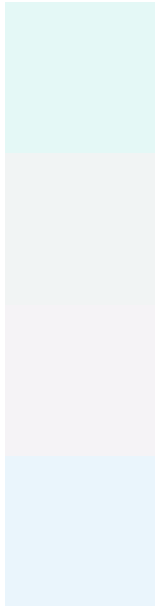
90.2340, 0.3189, 0.3232



Tritanopia

89.9259, 0.3018, 0.3181

Trichromacy



Original Color

90.2826, 0.3013, 0.3310

Protanomaly

89.9338, 0.3108, 0.3290

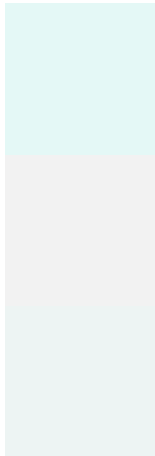
Deuteranomaly

90.1675, 0.3122, 0.3260

Tritanomaly

89.8255, 0.3017, 0.3220

Monochromacy



Original Color

90.2826, 0.3013, 0.3310

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.1770, 0.3088, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2826, 0.3013, 0.3310 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(228, 248, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 248, 246)  
}
```

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(228, 248, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 248, 246) }
```

Border

The CSS property to change the border of an element to Yxy 90.2826, 0.3013, 0.3310 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(228, 248, 246) }
```

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

```
.border{ border-color:rgb(228, 248, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 248, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 248, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 248, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 248,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2826, 0.3013, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 248, 246) }
```

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

```
.background{ background-color: rgb(228,  
248, 246) }
```

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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