

Converting Colors

$Yxy(90.3230, 0.3071, 0.3439)$

Have a look what the booklet for
Yxy(90.3230, 0.3071, 0.3439)
contains.

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Color

Yxy(90.0804, 0.3070, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	E3F9EB
RGB	227, 249, 235
RGB Percent	89%, 98%, 92%
CMY	0.1098, 0.0235, 0.0783
CMYK	0.09, 0.00, 0.06, 0.02
HSL	142°, 65%, 93%
HSV	142°, 9%, 98%
XYZ	80.5554, 90.0804, 91.7597
YIQ	240.8260, -8.6180, -9.0180

Conversions

Conversions Part 2

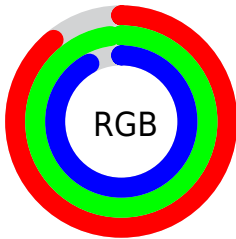
Format	Color
R _{YB}	227, 243, 249
Decimal	14940651
CIE Lab	96.03, -9.71, 4.24
CIE LCh	96, 10.599, 156.403
Yxy	90.0804, 0.3070, 0.3433
Android (android.graphics.Color)	4293130731 (0xFFE3F9EB)
YUV	240.8260, -2.8722, -12.1254
Hunter-Lab	94.9107, -14.5919, 9.1159

Details

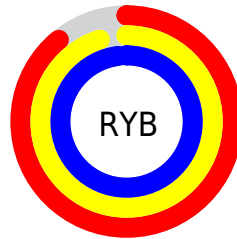
The Yxy color **90.0804, 0.3070, 0.3433** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.4348, 0.3189, 0.3151**, and the grayscale version is **87.8523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1653, 0.3063, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **85.4491, 0.3006, 0.3614**, and if you desaturate by 10%, it is **95.3862, 0.3135, 0.3272**.

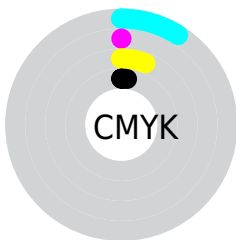
Distribution



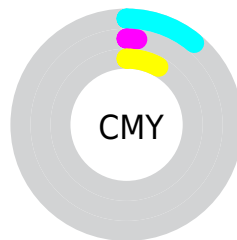
- Red (89%)
- Green (98%)
- Blue (92%)



- Red (89%)
- Yellow (95%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)




- Cyan (11%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0804, 0.3070, 0.3433 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 90.0804, 0.3070, 0.3433 by changing the saturation by 10% instead.

 90.0804, 0.3070,
0.3433

 90.0804, 0.3070,
0.3433

528.2924, 0.3096,
0.3369

 68.0473, 0.3064,
0.3447


147.4501, 0.3079,
0.3411

 49.9362, 0.3057,
0.3465

183.5555, 0.3082,
0.3402

 35.3627, 0.3048,
0.3487


225.1204, 0.3085,
0.3395

 23.9424, 0.3037,
0.3515

272.5293, 0.3088,
0.3388

 15.2909, 0.3022,
0.3553

326.1666, 0.3090,
0.3383

 9.0238, 0.3000,
0.3605

386.4165, 0.3092,

 4.7567, 0.2968,

0.3377

0.3684

453.6637, 0.3094,
0.3373

■ 2.1052, 0.2914,
0.3816

■ 0.6676, 0.2658,
0.4465

■ 90.0804, 0.3070,
0.3433

■ 90.0804, 0.3070,
0.3433

■ 85.4491, 0.3006,
0.3614

■ 95.3862, 0.3135,
0.3272

■ 81.4538, 0.2945,
0.3815

■ 96.2314, 0.3130,
0.3233

■ 78.0691, 0.2891,
0.4036

■ 75.2639, 0.2845,
0.4272

■ 73.0039, 0.2811,
0.4520

■ 71.2512, 0.2793,
0.4770

■ 69.9628, 0.2793,
0.5013

■ 69.0881, 0.2812,
0.5239

■ 68.5541, 0.2846,
0.5439

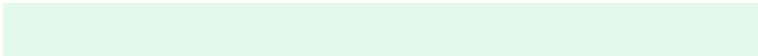
Harmonies

Analogous

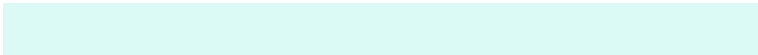
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0804, 0.3190, 0.3491



90.0804, 0.3070, 0.3433



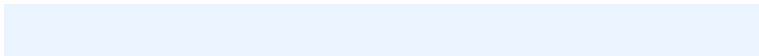
90.0804, 0.2967, 0.3335

Triad

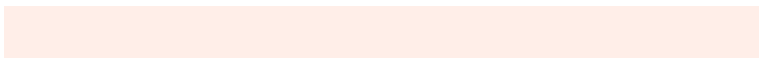
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0804, 0.3070, 0.3433



90.0804, 0.2960, 0.3092



90.0804, 0.3353, 0.3347

Complementary

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



90.0804, 0.3070, 0.3433



81.4348, 0.3189, 0.3151

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.



90.0804, 0.3289, 0.3244



90.0804, 0.3070, 0.3433



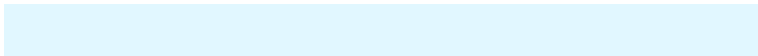
90.0804, 0.3061, 0.3098

Square

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



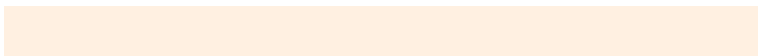
90.0804, 0.3070, 0.3433



90.0804, 0.2904, 0.3138



90.0804, 0.3182, 0.3153



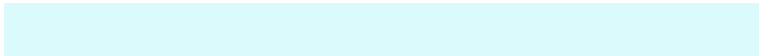
90.0804, 0.3355, 0.3438

Rectangle

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



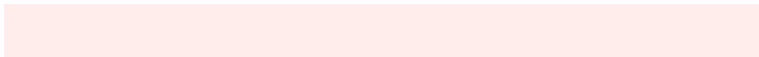
90.0804, 0.3070, 0.3433



90.0804, 0.2921, 0.3262



90.0804, 0.3182, 0.3153



90.0804, 0.3338, 0.3313

Sweetspot

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



90.0842, 0.3070, 0.3433



98.2687, 0.3108, 0.3337



92.0526, 0.3208, 0.3511



20.9369, 0.3103, 0.3350



0.0000, 0.0000, 0.0000



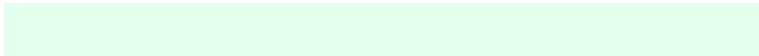
21.4041, 0.3127, 0.3290

Same Dimension

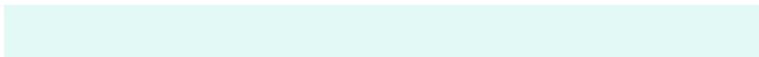
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0842, 0.3070, 0.3433



93.9675, 0.3056, 0.3471



90.7199, 0.3009, 0.3323



19.4138, 0.3066, 0.3444



36.6935, 0.2842, 0.5431



3.4180, 0.2775, 0.5192

Inverse Universe

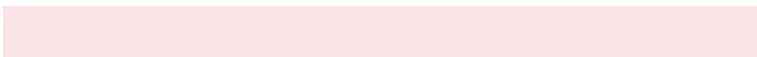
The Inverse Universe completely reimagines the original color for something new.



81.4348, 0.3189, 0.3151



82.7495, 0.3206, 0.3116



80.8156, 0.3259, 0.3257



17.4109, 0.3194, 0.3140



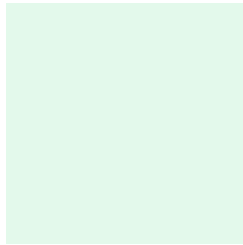
12.1341, 0.4399, 0.2197



1.1442, 0.4219, 0.2098

Previews

White Background



This preview shows how the Yxy color 90.0804, 0.3070, 0.3433 looks on a white background.

Color Contrast Check

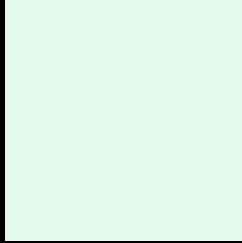
Large Text (above 18pt) WCAG AA × Fail

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 90.0804, 0.3070, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

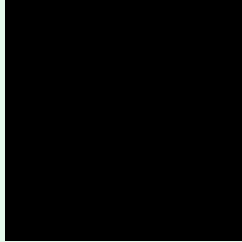
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

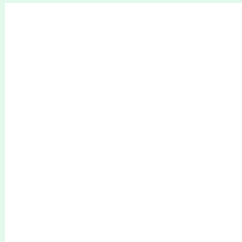
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0804, 0.3070, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 90.0804, 0.3070, 0.3433.

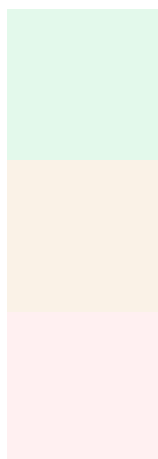


This preview shows how white text looks on a background with the Yxy color 90.0804, 0.3070, 0.3433.

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

90.0804, 0.3070, 0.3433

Protanopia

89.5978, 0.3248, 0.3399

Deuteranopia

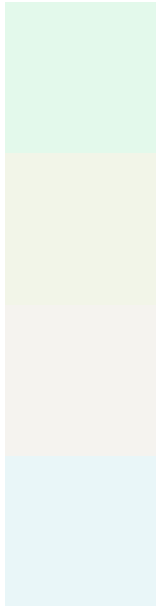
89.9311, 0.3220, 0.3281



Tritanopia

89.9259, 0.3018, 0.3181

Trichromacy



Original Color

90.0804, 0.3070, 0.3433

Protanomaly

90.0083, 0.3186, 0.3421

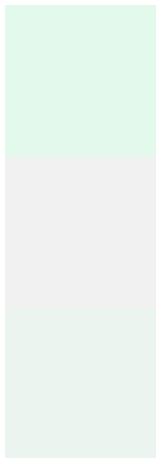
Deuteranomaly

89.7457, 0.3164, 0.3330

Tritanomaly

90.0125, 0.3033, 0.3270

Monochromacy



Original Color

90.0804, 0.3070, 0.3433

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.7662, 0.3105, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0804, 0.3070, 0.3433 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(227, 249, 235)` looks like.

```
.text, #text, p{  
    color:rgb(227, 249, 235)  
}
```

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(227, 249, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 249, 235) }
```

Border

The CSS property to change the border of an element to Yxy 90.0804, 0.3070, 0.3433 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(227, 249, 235) }
```

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

```
.border{ border-color:rgb(227, 249, 235) }
```

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

Here you see how a box with a 4 pixel rgb(227, 249, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 249, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 249, 235);  
box-shadow:4px 4px 4px 4px rgb(227, 249,  
235) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.0804, 0.3070, 0.3433$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 249, 235) }
```

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

```
.background{ background-color: rgb(227,  
249, 235) }
```

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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