

# Converting Colors

$Yxy(91.0240, 0.3108, 0.3354)$

Have a look what the booklet for  
Yxy(91.0240, 0.3108, 0.3354)  
contains.

<b>Yxy(91.0495, 0.3105, 0.3350)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(91.0495, 0.3105, 0.3350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF7F1
RGB	238, 247, 241
RGB Percent	93%, 97%, 95%
CMY	0.0668, 0.0313, 0.0549
CMYK	0.04, 0.00, 0.02, 0.03
HSL	140°, 36%, 95%
HSV	140°, 4%, 97%
XYZ	84.3907, 91.0495, 96.3494
YIQ	243.6250, -3.4380, -3.7740

# Conversions

## Conversions Part 2

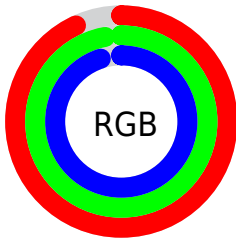
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 245, 247
Decimal	15661041
CIE Lab	96.43, -4.05, 1.83
CIE LCh	96, 4.442, 155.607
Yxy	91.0495, 0.3105, 0.3350
Android (android.graphics.Color)	4293851121 (0xFFEEF7F1)
YUV	243.6250, -1.2941, -4.9331
Hunter-Lab	95.4199, -9.1169, 6.9263

# Details

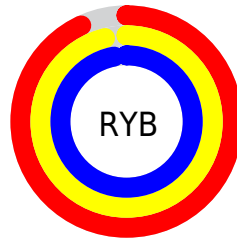
The Yxy color 91.0495, 0.3105, 0.3350 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.4389, 0.3150, 0.3231, and the grayscale version is 90.1636, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.7095, 0.3099, 0.3367 is the 20% darker color. If you saturate the color by 10%, you get 86.1308, 0.3045, 0.3528, and if you desaturate by 10%, it is 95.0101, 0.3131, 0.3214.

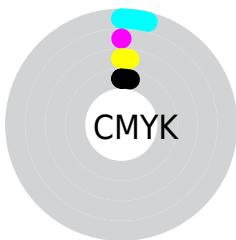
# Distribution



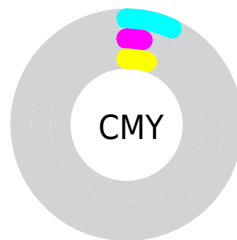
- Red (93%)
- Green (97%)
- Blue (95%)



- Red (93%)
- Yellow (96%)
- Blue (97%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)




- Cyan (7%)
- Magenta (3%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.0495, 0.3105, 0.3350 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 91.0495, 0.3105, 0.3350 by changing the saturation by 10% instead.



 91.0495, 0.3105,  
0.3350

 91.0495, 0.3105,  
0.3350

531.4389, 0.3115,  
0.3323

 68.8514, 0.3103,  
0.3356


148.7953, 0.3108,  
0.3341

 50.5907, 0.3100,  
0.3363


185.1119, 0.3110,  
0.3337

 35.8830, 0.3097,  
0.3372


226.9034, 0.3111,  
0.3334

 24.3438, 0.3092,  
0.3383

274.5542, 0.3112,  
0.3331

 15.5889, 0.3087,  
0.3399

328.4488, 0.3113,  
0.3329

 9.2337, 0.3079,  
0.3420

388.9715, 0.3114,

 4.8939, 0.3067,

0.3327

0.3451

456.5068, 0.3114,  
0.3325

■ 2.1852, 0.3048,  
0.3502

■ 0.7119, 0.2984,  
0.3676

■ 91.0495, 0.3105,  
0.3350

■ 91.0495, 0.3105,  
0.3350

■ 86.1308, 0.3045,  
0.3528


■ 95.0101, 0.3131,  
0.3214

■ 81.8571, 0.2986,  
0.3728


■ 78.2045, 0.2931,  
0.3949

■ 75.1431, 0.2883,  
0.4189

 72.6406, 0.2845,  
0.4442

 70.6616, 0.2821,  
0.4703

 69.1662, 0.2813,  
0.4959

 68.1086, 0.2822,  
0.5202

 67.4334, 0.2849,  
0.5417

# Harmonies

## Analogous

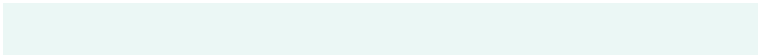
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0495, 0.3155, 0.3373



91.0495, 0.3105, 0.3350



91.0495, 0.3061, 0.3310

# Triad

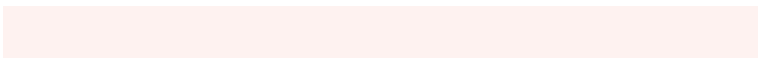
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.0495, 0.3105, 0.3350



91.0495, 0.3056, 0.3207



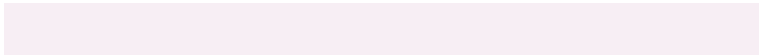
91.0495, 0.3221, 0.3314

# Complementary

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



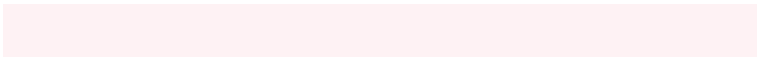
91.0495, 0.3105, 0.3350



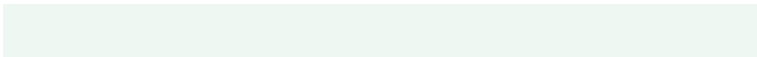
87.4389, 0.3150, 0.3231

# 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.



91.0495, 0.3194, 0.3270



91.0495, 0.3105, 0.3350



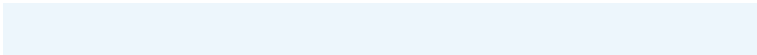
91.0495, 0.3099, 0.3209

# Square

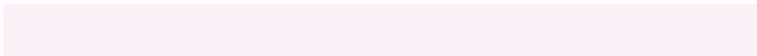
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



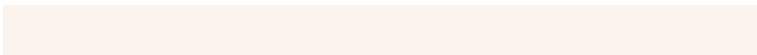
91.0495, 0.3105, 0.3350



91.0495, 0.3033, 0.3228



91.0495, 0.3149, 0.3232



91.0495, 0.3222, 0.3352

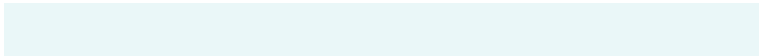


# Rectangle

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



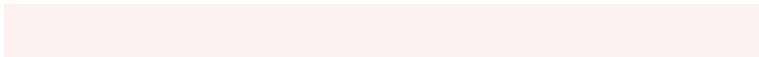
91.0495, 0.3105, 0.3350



91.0495, 0.3041, 0.3280



91.0495, 0.3149, 0.3232



91.0495, 0.3214, 0.3299

# Sweetspot

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



91.0534, 0.3105, 0.3350



99.4109, 0.3121, 0.3306



91.9344, 0.3162, 0.3380



21.2842, 0.3121, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

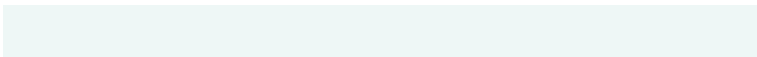
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.0534, 0.3105, 0.3350



97.6878, 0.3103, 0.3356



91.3257, 0.3079, 0.3305



19.0657, 0.3098, 0.3368



35.5343, 0.2863, 0.5507

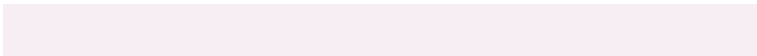


3.1415, 0.2793, 0.5256



# Inverse Universe

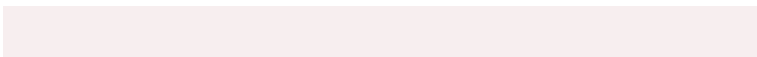
The Inverse Universe completely reimagines the original color for something new.



87.4389, 0.3150, 0.3231



93.4453, 0.3152, 0.3225



87.1689, 0.3178, 0.3275



18.0867, 0.3157, 0.3213



11.9044, 0.4284, 0.2133

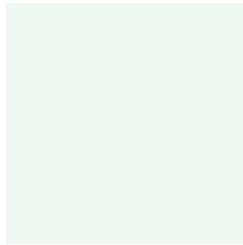


1.0654, 0.4114, 0.2040



# Previews

## White Background



This preview shows how the Yxy color 91.0495, 0.3105, 0.3350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

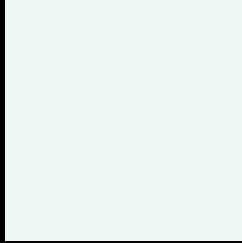
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.0495, 0.3105, 0.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

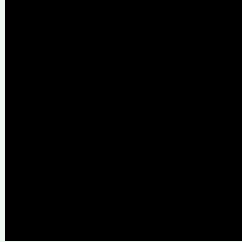
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

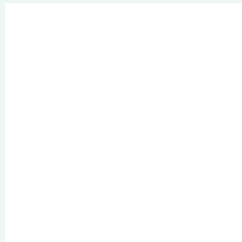
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.0495, 0.3105, 0.3350**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.0495, 0.3105, 0.3350.

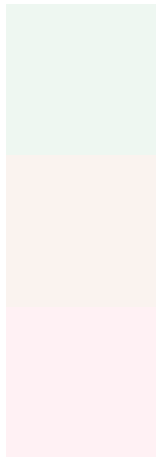


This preview shows how white text looks on a background with the Yxy color 91.0495, 0.3105, 0.3350.

# 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

91.0495, 0.3105, 0.3350

### Protanopia

90.6572, 0.3197, 0.3330

### Deuteranopia

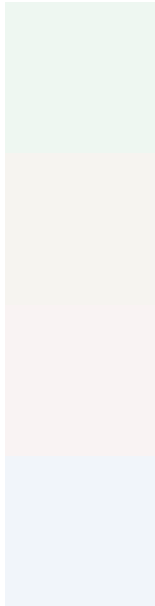
90.7022, 0.3201, 0.3261



## Tritanopia

90.9761, 0.3056, 0.3182

# Trichromacy



## Original Color

91.0495, 0.3105, 0.3350

## Protanomaly

90.5855, 0.3164, 0.3330

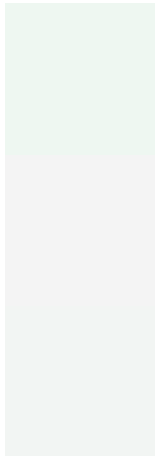
## Deuteranomaly

90.7120, 0.3166, 0.3290

## Tritanomaly

90.9077, 0.3072, 0.3240

# Monochromacy



## Original Color

91.0495, 0.3105, 0.3350

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.6531, 0.3120, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.0495, 0.3105, 0.3350 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(238, 247, 241)` looks like.

```
.text, #text, p{  
    color:rgb(238, 247, 241)  
}
```

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(238, 247, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 247, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 91.0495, 0.3105, 0.3350 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(238, 247, 241) }
```

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

```
.border{ border-color:rgb(238, 247, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 247, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 247, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 247, 241);  
box-shadow:4px 4px 4px 4px rgb(238, 247,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.0495, 0.3105, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 247, 241) }
```

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

```
.background{ background-color: rgb(238,  
247, 241) }
```

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