

Converting Colors

$Y_{xy}(93.5790, 0.3106, 0.3471)$

Have a look what the booklet for
Yxy(93.5790, 0.3106, 0.3471)
contains.

Yxy(93.5724, 0.3106, 0.3472)	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(93.5724, 0.3106, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	E9FDEB
RGB	233, 253, 235
RGB Percent	91%, 99%, 92%
CMY	0.0865, 0.0078, 0.0785
CMYK	0.08, 0.00, 0.07, 0.01
HSL	126°, 84%, 95%
HSV	126°, 8%, 99%
XYZ	83.7085, 93.5724, 92.2249
YIQ	244.9680, -6.1420, -9.8380

Conversions

Conversions Part 2

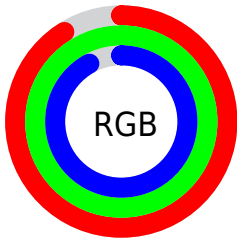
Format	Color
R _Y B	233, 251, 253
Decimal	15334891
CIE Lab	97.46, -9.78, 6.39
CIE LCh	97, 11.681, 146.844
Yxy	93.5724, 0.3106, 0.3472
Android (android.graphics.Color)	4293524971 (0xFFE9FDEB)
YUV	244.9680, -4.9142, -10.4959
Hunter-Lab	96.7328, -14.8161, 11.1860

Details

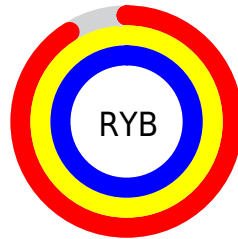
The Yxy color **93.5724, 0.3106, 0.3472** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.0998, 0.3149, 0.3115**, and the grayscale version is **91.3223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.0816, 0.3101, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **88.3883, 0.3078, 0.3730**, and if you desaturate by 10%, it is **98.7450, 0.3128, 0.3271**.

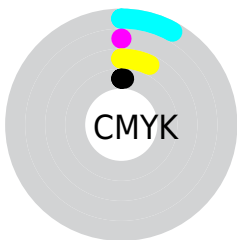
Distribution



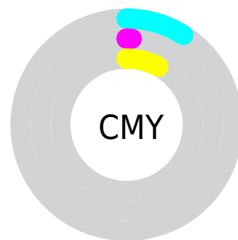
- Red (91%)
- Green (99%)
- Blue (92%)



- Red (91%)
- Yellow (98%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (1%)




- Cyan (9%)
- Magenta (1%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.5724, 0.3106, 0.3472 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 93.5724, 0.3106, 0.3472 by changing the saturation by 10% instead.

 93.5724, 0.3106,
0.3472

 93.5724, 0.3106,
0.3472

539.5845, 0.3116,
0.3390

 70.9474, 0.3104,
0.3490


152.2908, 0.3109,
0.3444

 52.2992, 0.3101,
0.3512


189.1530, 0.3111,
0.3433

 37.2436, 0.3097,
0.3540


231.5297, 0.3112,
0.3424

 25.3962, 0.3093,
0.3575

279.8053, 0.3113,
0.3415

 16.3725, 0.3086,
0.3622

334.3642, 0.3114,
0.3408

 9.7881, 0.3077,
0.3687

395.5907, 0.3115,

 5.2587, 0.3062,

0.3402

0.3784

463.8694, 0.3115,
0.3396

■ 2.3998, 0.3037,
0.3944

■ 0.8258, 0.2994,
0.4526

■ 93.5724, 0.3106,
0.3472

■ 93.5724, 0.3106,
0.3472

■ 88.3883, 0.3078,
0.3730

98.7450, 0.3128,
0.3271

■ 83.9467, 0.3051,
0.4018

■ 80.2171, 0.3024,
0.4332

■ 77.1624, 0.3000,
0.4664

■ 74.7421, 0.2981,
0.4997

■ 72.9112, 0.2970,
0.5311

■ 71.6190, 0.2966,
0.5583

■ 70.8059, 0.2971,
0.5792

■ 70.3937, 0.2983,
0.5926

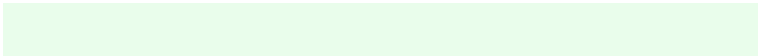
Harmonies

Analogous

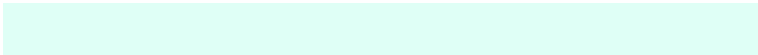
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5724, 0.3235, 0.3516



93.5724, 0.3106, 0.3472



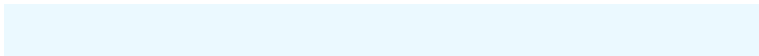
93.5724, 0.2985, 0.3376

Triad

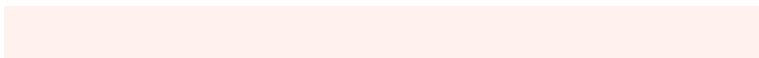
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.5724, 0.3106, 0.3472



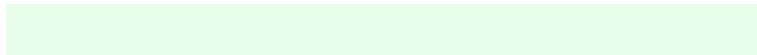
93.5724, 0.2920, 0.3084



93.5724, 0.3358, 0.3316

Complementary

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



93.5724, 0.3106, 0.3472



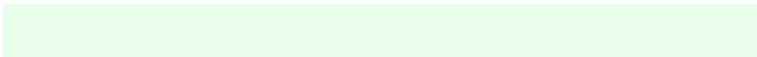
86.0998, 0.3149, 0.3115

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.



93.5724, 0.3270, 0.3205



93.5724, 0.3106, 0.3472



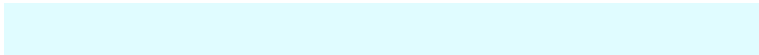
93.5724, 0.3017, 0.3073

Square

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



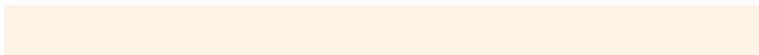
93.5724, 0.3106, 0.3472



93.5724, 0.2879, 0.3150



93.5724, 0.3144, 0.3118



93.5724, 0.3382, 0.3423

Rectangle

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



93.5724, 0.3106, 0.3472



93.5724, 0.2924, 0.3297



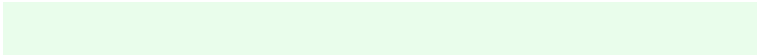
93.5724, 0.3144, 0.3118



93.5724, 0.3334, 0.3278

Sweetspot

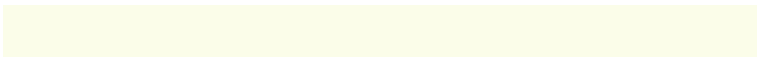
The Sweet Spot groups the original color and five complimentary colors.



93.5764, 0.3106, 0.3472



98.7537, 0.3122, 0.3334



96.6573, 0.3232, 0.3486



21.1504, 0.3122, 0.3332



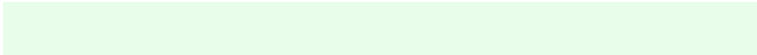
0.0000, 0.0000, 0.0000



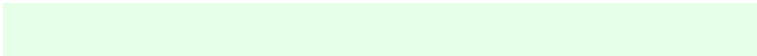
21.4041, 0.3127, 0.3290

Same Dimension

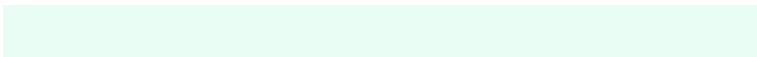
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5764, 0.3106, 0.3472



94.0907, 0.3100, 0.3523



94.1719, 0.3049, 0.3370



20.1979, 0.3102, 0.3510



37.4188, 0.2981, 0.5931



3.6528, 0.2944, 0.5799

Inverse Universe

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



86.0998, 0.3149, 0.3115



84.6311, 0.3155, 0.3068



85.4845, 0.3212, 0.3211



18.2669, 0.3154, 0.3079



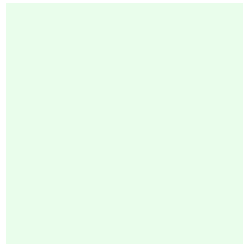
14.0855, 0.3481, 0.1692



1.3802, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 93.5724, 0.3106, 0.3472 looks on a white background.

Color Contrast Check

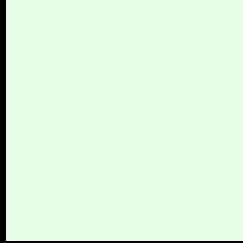
Large Text (above 18pt) WCAG AA × Fail

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 93.5724, 0.3106, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

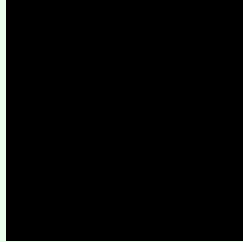
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

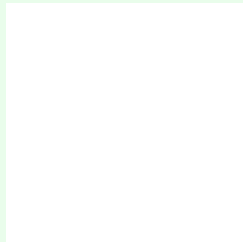
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.5724, 0.3106, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 93.5724, 0.3106, 0.3472.

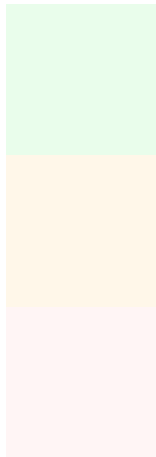


This preview shows how white text looks on a background with the Yxy color 93.5724, 0.3106, 0.3472.

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

93.5724, 0.3106, 0.3472

Protanopia

93.6647, 0.3264, 0.3427

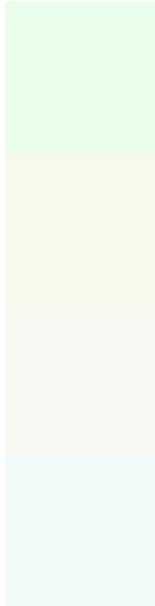
Deuteranopia

93.1574, 0.3192, 0.3290

Tritanopia

93.5879, 0.3061, 0.3222

Trichromacy



Original Color

93.5724, 0.3106, 0.3472

Protanomaly

93.4660, 0.3203, 0.3438

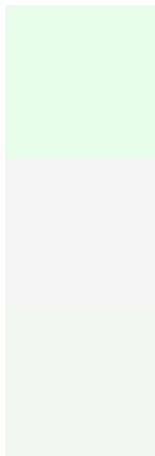
Deuteranomaly

93.2598, 0.3162, 0.3359

Tritanomaly

93.6738, 0.3076, 0.3310

Monochromacy



Original Color

93.5724, 0.3106, 0.3472

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.1864, 0.3124, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5724, 0.3106, 0.3472 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(233, 253, 235)` looks like.

```
.text, #text, p{  
    color:rgb(233, 253, 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(233, 253, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 253, 235) }
```

Border

The CSS property to change the border of an element to Yxy 93.5724, 0.3106, 0.3472 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(233, 253, 235) }
```

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

```
.border{ border-color:rgb(233, 253, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 253, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 253, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 253, 235);  
box-shadow:4px 4px 4px 4px rgb(233, 253,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5724, 0.3106, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 253, 235) }
```

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

```
.background{ background-color: rgb(233,  
253, 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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