

Converting Colors

$Y_{xy}(100.0000, 0.3083, 0.3489)$

Have a look what the booklet for
Yxy(100.0000, 0.3083, 0.3489)
contains.

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Color

Yxy(95.7037, 0.3090, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFF1
RGB	236, 255, 241
RGB Percent	93%, 100%, 95%
CMY	0.0743, 0.0000, 0.0549
CMYK	0.07, 0.00, 0.05, 0.00
HSL	136°, 100%, 96%
HSV	136°, 7%, 100%
XYZ	86.2422, 95.7037, 97.1550
YIQ	247.7230, -6.8300, -8.3820

Conversions

Conversions Part 2

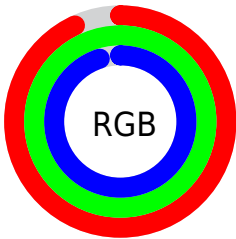
Format	Color
R _Y B	236, 251, 255
Decimal	15532017
CIE Lab	98.31, -8.68, 4.55
CIE LCh	98, 9.797, 152.333
Yxy	95.7037, 0.3090, 0.3429
Android (android.graphics.Color)	4293722097 (0xFFE0FFFF)
YUV	247.7230, -3.3144, -10.2811
Hunter-Lab	97.8283, -13.8397, 9.5978

Details

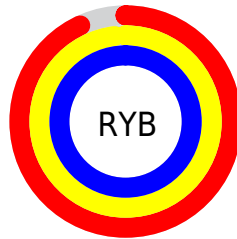
The Yxy color **95.7037, 0.3090, 0.3429** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.1814, 0.3166, 0.3155**, and the grayscale version is **93.6721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.5942, 0.3080, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **90.5818, 0.3040, 0.3637**, and if you desaturate by 10%, it is **99.9949, 0.3127, 0.3290**.

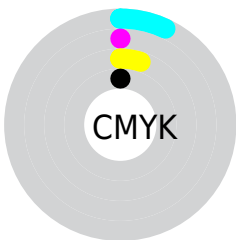
Distribution



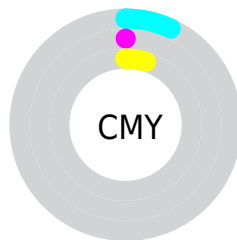
- Red (93%)
- Green (100%)
- Blue (95%)



- Red (93%)
- Yellow (98%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.7037, 0.3090, 0.3429 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 95.7037, 0.3090, 0.3429 by changing the saturation by 10% instead.

 95.7037, 0.3090,
0.3429

 95.7037, 0.3090,
0.3429

546.4153, 0.3107,
0.3367

 72.7208, 0.3086,
0.3443


155.2364, 0.3096,
0.3408

 53.7477, 0.3082,
0.3459


192.5551, 0.3098,
0.3400

 38.4000, 0.3076,
0.3480


235.4211, 0.3100,
0.3392

 26.2933, 0.3069,
0.3506

284.2188, 0.3102,
0.3386

 17.0432, 0.3059,
0.3541

339.3327, 0.3103,
0.3381

 10.2653, 0.3046,
0.3589

401.1472, 0.3104,

 5.5752, 0.3026,

0.3376

0.3660

470.0466, 0.3106,
0.3371

■ 2.5885, 0.2993,
0.3775

■ 0.9209, 0.2923,
0.4060

■ 95.7037, 0.3090,
0.3429

■ 95.7037, 0.3090,
0.3429

■ 90.5818, 0.3040,
0.3637

99.9949, 0.3127,
0.3290

■ 86.1654, 0.2992,
0.3870

■ 82.4266, 0.2947,
0.4126

■ 79.3313, 0.2910,
0.4400

■ 76.8422, 0.2882,
0.4685

■ 74.9178, 0.2867,
0.4968

■ 73.5116, 0.2867,
0.5236

■ 72.5692, 0.2883,
0.5474

■ 72.0207, 0.2912,
0.5669

Harmonies

Analogous

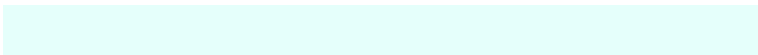
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7037, 0.3199, 0.3475



95.7037, 0.3090, 0.3429



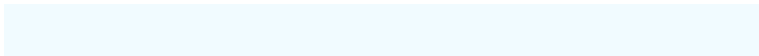
95.7037, 0.2993, 0.3344

Triad

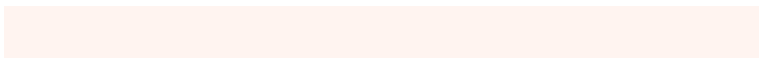
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7037, 0.3090, 0.3429



95.7037, 0.2966, 0.3113



95.7037, 0.3327, 0.3329

Complementary

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



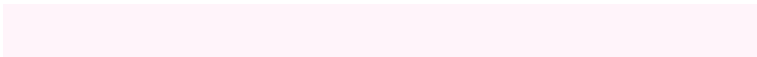
95.7037, 0.3090, 0.3429



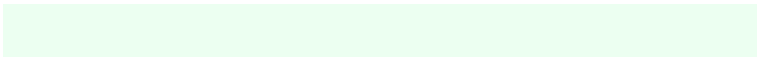
88.1814, 0.3166, 0.3155

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.



95.7037, 0.3262, 0.3236



95.7037, 0.3090, 0.3429



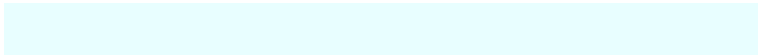
95.7037, 0.3054, 0.3112

Square

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



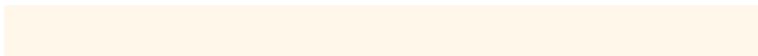
95.7037, 0.3090, 0.3429



95.7037, 0.2922, 0.3161



95.7037, 0.3162, 0.3157



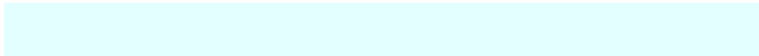
95.7037, 0.3337, 0.3415

Rectangle

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



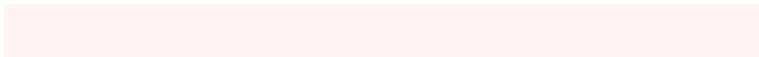
95.7037, 0.3090, 0.3429



95.7037, 0.2947, 0.3278



95.7037, 0.3162, 0.3157



95.7037, 0.3311, 0.3298

Sweetspot

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



95.7078, 0.3090, 0.3429



98.8055, 0.3117, 0.3326



97.9452, 0.3208, 0.3474



21.1610, 0.3118, 0.3324



0.0000, 0.0000, 0.0000



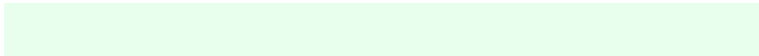
21.4041, 0.3127, 0.3290

Same Dimension

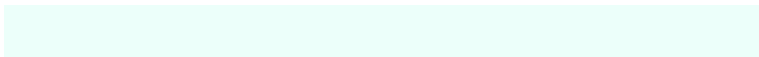
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7078, 0.3090, 0.3429



94.8610, 0.3082, 0.3460



96.2743, 0.3038, 0.3336



20.2463, 0.3080, 0.3470



37.6021, 0.2913, 0.5685



3.6782, 0.2853, 0.5471

Inverse Universe

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



88.1814, 0.3166, 0.3155



85.8400, 0.3175, 0.3126



87.6155, 0.3225, 0.3244



18.2143, 0.3178, 0.3116



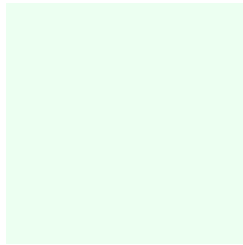
13.0358, 0.4008, 0.1982



1.2872, 0.3896, 0.1920

Previews

White Background



This preview shows how the Yxy color 95.7037, 0.3090, 0.3429 looks on a white background.

Color Contrast Check

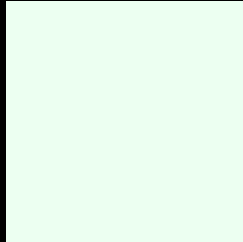
Large Text (above 18pt) WCAG AA × Fail

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 95.7037, 0.3090, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

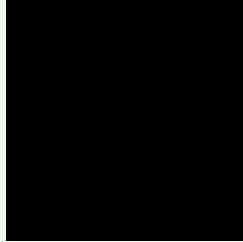
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

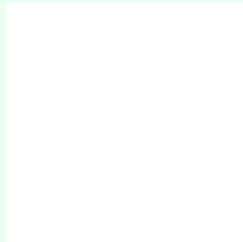
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.7037, 0.3090, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 95.7037, 0.3090, 0.3429.

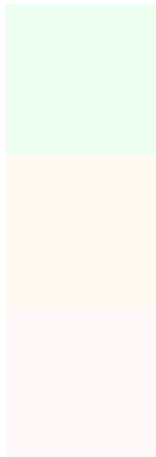


This preview shows how white text looks on a background with the Yxy color 95.7037, 0.3090, 0.3429.

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

95.7037, 0.3090, 0.3429

Protanopia

95.3622, 0.3213, 0.3367

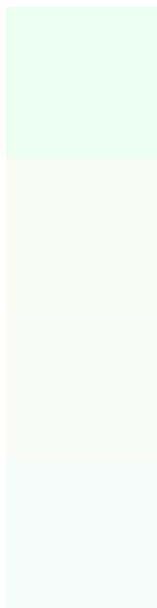
Deuteranopia

95.2344, 0.3166, 0.3281

Tritanopia

95.5477, 0.3086, 0.3242

Trichromacy



Original Color

95.7037, 0.3090, 0.3429

Protanomaly

95.3017, 0.3167, 0.3388

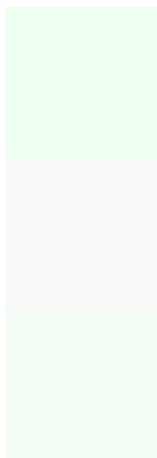
Deuteranomaly

95.6046, 0.3137, 0.3339

Tritanomaly

95.7560, 0.3089, 0.3309

Monochromacy



Original Color

95.7037, 0.3090, 0.3429

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.8200, 0.3118, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.7037, 0.3090, 0.3429 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(236, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 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(236, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 95.7037, 0.3090, 0.3429 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(236, 255, 241) }
```

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

```
.border{ border-color:rgb(236, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 95.7037, 0.3090, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 241) }
```

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

```
.background{ background-color: rgb(236,  
255, 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](#).

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