

Converting Colors

$Y_{xy}(100.0000, 0.3114, 0.3487)$

Have a look what the booklet for
Yxy(100.0000, 0.3114, 0.3487)
contains.

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Color

Yxy(96.3961, 0.3114, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	F0FFF1
RGB	240, 255, 241
RGB Percent	94%, 100%, 95%
CMY	0.0590, 0.0000, 0.0547
CMYK	0.06, 0.00, 0.05, 0.00
HSL	124°, 100%, 97%
HSV	124°, 6%, 100%
XYZ	87.5664, 96.3961, 97.2397
YIQ	248.9190, -4.4460, -7.5340

Conversions

Conversions Part 2

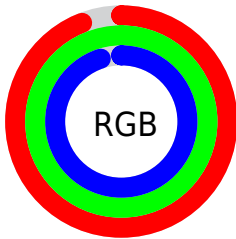
Format	Color
R_{YB}	240, 254, 255
Decimal	15794161
CIE _{Lab}	98.59, -7.40, 4.97
CIE _{LCh}	99, 8.910, 146.119
Yxy	96.3961, 0.3114, 0.3428
Android (android.graphics.Color)	4293984241 (0xFFFF0FFF1)
YUV	248.9190, -3.9041, -7.8220
Hunter-Lab	98.1815, -12.6167, 10.0058

Details

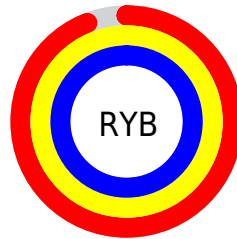
The Yxy color 96.3961, 0.3114, 0.3428 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.7072, 0.3141, 0.3156, and the grayscale version is 94.6895, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0813, 0.3112, 0.3454 is the 20% darker color. If you saturate the color by 10%, you get 90.9145, 0.3091, 0.3688, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

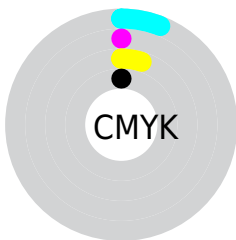
Distribution



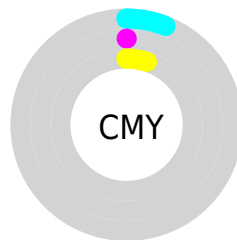
- Red (94%)
- Green (100%)
- Blue (95%)



- Red (94%)
- Yellow (100%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.3961, 0.3114, 0.3428 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 96.3961, 0.3114, 0.3428 by changing the saturation by 10% instead.


 96.3961, 0.3114,
0.3428

 96.3961, 0.3114,
0.3428

548.6248, 0.3120,
0.3367

 73.2975, 0.3113,
0.3441


156.1920, 0.3116,
0.3407

 54.2193, 0.3111,
0.3458


193.6580, 0.3117,
0.3399

 38.7770, 0.3109,
0.3478


236.6820, 0.3118,
0.3392

 26.5863, 0.3106,
0.3504

285.6483, 0.3118,
0.3386

 17.2627, 0.3102,
0.3538

340.9414, 0.3119,
0.3380

 10.4220, 0.3097,
0.3586

402.9456, 0.3119,

 5.6796, 0.3088,

0.3375

0.3655

472.0452, 0.3120,
0.3371

■ 2.6513, 0.3073,
0.3767

■ 0.9525, 0.3060,
0.4030

■ 96.3961, 0.3114,
0.3428

■ 96.3961, 0.3114,
0.3428

■ 90.9145, 0.3091,
0.3688

100.0000, 0.3127,
0.3290

■ 86.2153, 0.3067,
0.3979

■ 82.2586, 0.3043,
0.4299

■ 79.0065, 0.3021,
0.4638

■ 76.4174, 0.3002,
0.4980

■ 74.4456, 0.2988,
0.5304

■ 73.0396, 0.2981,
0.5584

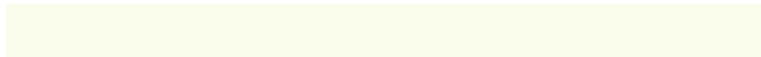
■ 72.1394, 0.2982,
0.5798

■ 71.6714, 0.2988,
0.5933

Harmonies

Analogous

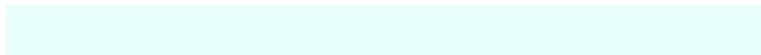
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3961, 0.3211, 0.3460



96.3961, 0.3114, 0.3428



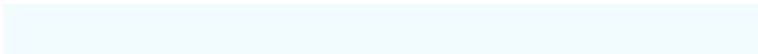
96.3961, 0.3021, 0.3357

Triad

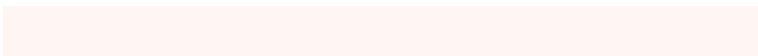
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.3961, 0.3114, 0.3428



96.3961, 0.2969, 0.3135



96.3961, 0.3300, 0.3308

Complementary

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



96.3961, 0.3114, 0.3428



90.7072, 0.3141, 0.3156

Split Complementary

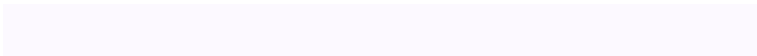
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3961, 0.3233, 0.3224



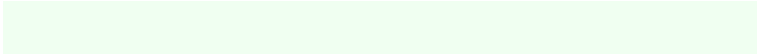
96.3961, 0.3114, 0.3428



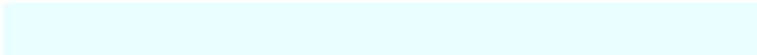
96.3961, 0.3042, 0.3125

Square

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



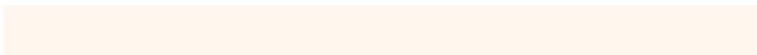
96.3961, 0.3114, 0.3428



96.3961, 0.2939, 0.3187



96.3961, 0.3138, 0.3158



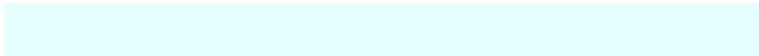
96.3961, 0.3320, 0.3389

Rectangle

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



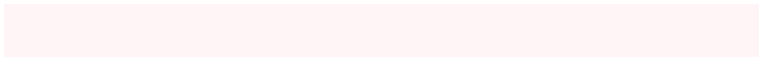
96.3961, 0.3114, 0.3428



96.3961, 0.2974, 0.3298



96.3961, 0.3138, 0.3158



96.3961, 0.3282, 0.3280

Sweetspot

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



96.3915, 0.3114, 0.3428



98.7444, 0.3123, 0.3336



98.8792, 0.3208, 0.3435



21.1485, 0.3123, 0.3333



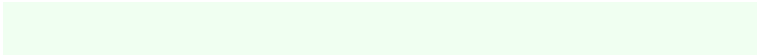
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



96.3915, 0.3114, 0.3428



95.7488, 0.3111, 0.3455



96.8456, 0.3072, 0.3354



20.4197, 0.3110, 0.3470



37.4017, 0.2988, 0.5956



3.6487, 0.2960, 0.5855

Inverse Universe

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



90.7072, 0.3141, 0.3156



89.0530, 0.3143, 0.3130



90.2398, 0.3186, 0.3227



18.8694, 0.3145, 0.3117



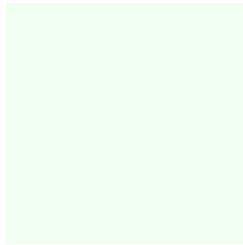
14.3039, 0.3398, 0.1646



1.3992, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 96.3961, 0.3114, 0.3428 looks on a white background.

Color Contrast Check

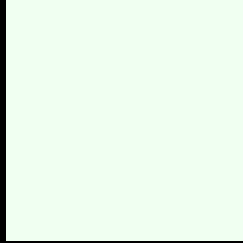
Large Text (above 18pt) WCAG AA × Fail

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 96.3961, 0.3114, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

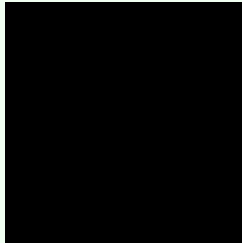
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

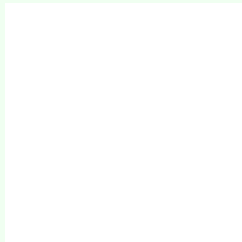
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.3961, 0.3114, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 96.3961, 0.3114, 0.3428.

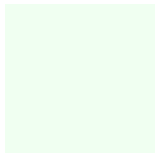


This preview shows how white text looks on a background with the Yxy color 96.3961, 0.3114, 0.3428.

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

96.3961, 0.3114, 0.3428



Protanopia

96.1629, 0.3194, 0.3348

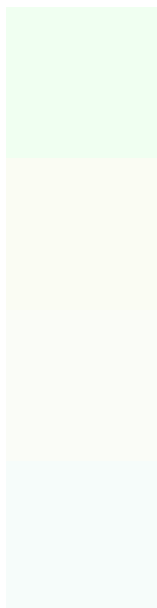
Deuteranopia

96.5333, 0.3159, 0.3290

Tritanopia

96.5384, 0.3098, 0.3252

Trichromacy



Original Color

96.3961, 0.3114, 0.3428

Protanomaly

96.4159, 0.3167, 0.3377

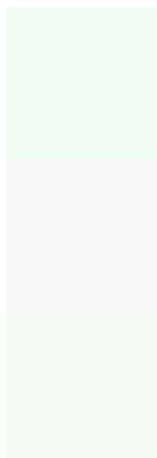
Deuteranomaly

96.6602, 0.3144, 0.3338

Tritanomaly

96.1158, 0.3101, 0.3309

Monochromacy



Original Color

96.3961, 0.3114, 0.3428

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.2410, 0.3125, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.3961, 0.3114, 0.3428 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(240, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 96.3961, 0.3114, 0.3428 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(240, 255, 241) }
```

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

```
.border{ border-color:rgb(240, 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(240, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 96.3961, 0.3114, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 241) }
```

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

```
.background{ background-color: rgb(240,  
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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