

Converting Colors

$Y_{xy}(100.0000, 0.2459, 0.2380)$

Have a look what the booklet for
Yxy(100.0000, 0.2459, 0.2380)
contains.

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Color

Yxy(91.7440, 0.2928, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	DEFBFF
RGB	222, 251, 255
RGB Percent	87%, 98%, 100%
CMY	0.1292, 0.0157, 0.0000
CMYK	0.13, 0.02, 0.00, 0.00
HSL	187°, 100%, 94%
HSV	187°, 13%, 100%
XYZ	82.6797, 91.7440, 107.9524
YIQ	242.7850, -18.5680, -4.9040

Conversions

Conversions Part 2

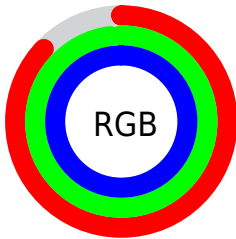
Format	Color
R _{YB}	222, 237, 255
Decimal	14613503
CIE Lab	96.72, -8.54, -5.09
CIE LCh	97, 9.946, 210.790
Yxy	91.7440, 0.2928, 0.3249
Android (android.graphics.Color)	4292803583 (0xFFDEFBFF)
YUV	242.7850, 6.0220, -18.2284
Hunter-Lab	95.7831, -13.5396, 0.2253

Details

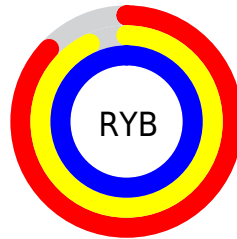
The Yxy color **91.7440, 0.2928, 0.3249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9506, 0.3359, 0.3331**, and the grayscale version is **89.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.8763, 0.2890, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **86.1027, 0.2781, 0.3214**, and if you desaturate by 10%, it is **98.0335, 0.3082, 0.3281**.

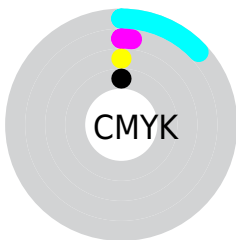
Distribution



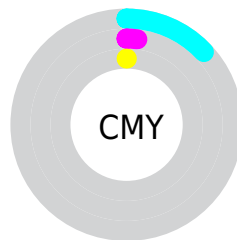
- Red (87%)
- Green (98%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.7440, 0.2928, 0.3249 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 91.7440, 0.2928, 0.3249 by changing the saturation by 10% instead.

 91.7440, 0.2928,
0.3249

 91.7440, 0.2928,
0.3249

533.6878, 0.3016,
0.3268

 69.4280, 0.2909,
0.3245


149.7585, 0.2958,
0.3256

 51.0604, 0.2886,
0.3239


186.2259, 0.2970,
0.3258

 36.2567, 0.2857,
0.3233


228.1791, 0.2980,
0.3260

 24.6325, 0.2820,
0.3224

276.0027, 0.2989,
0.3262

 15.8035, 0.2773,
0.3212

330.0809, 0.2997,
0.3264

 9.3852, 0.2707,
0.3195

390.7983, 0.3004,

 4.9933, 0.2612,

0.3265

0.3170

458.5391, 0.3010,
0.3267

■ 2.2433, 0.2463,
0.3126

■ 0.7435, 0.2057,
0.3071

■ 91.7440, 0.2928,
0.3249

■ 91.7440, 0.2928,
0.3249

■ 86.1027, 0.2781,
0.3214

■ 98.0335, 0.3082,
0.3281

■ 81.0707, 0.2643,
0.3177

99.9997, 0.3127,
0.3290

■ 76.6224, 0.2517,
0.3137

■ 72.7258, 0.2407,
0.3095

■ 69.3455, 0.2315,
0.3053

■ 66.4420, 0.2242,
0.3010

■ 63.9695, 0.2188,
0.2967

■ 61.8726, 0.2153,
0.2924

■ 60.5583, 0.2137,
0.2895

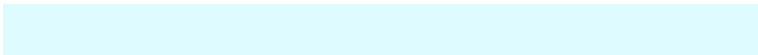
Harmonies

Analogous

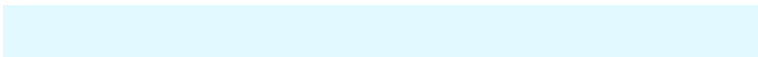
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7440, 0.2993, 0.3351



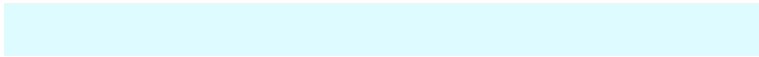
91.7440, 0.2928, 0.3249



91.7440, 0.2915, 0.3161

Triad

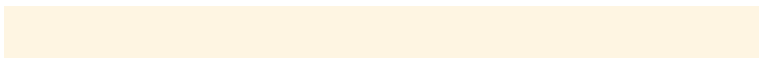
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7440, 0.2928, 0.3249



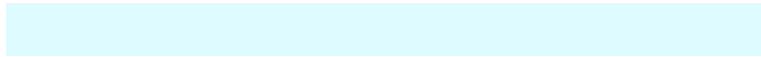
91.7440, 0.3157, 0.3150



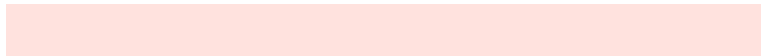
91.7440, 0.3298, 0.3473

Complementary

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



91.7440, 0.2928, 0.3249



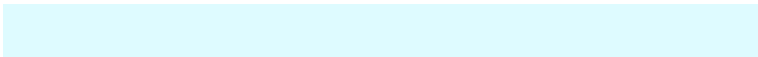
80.9506, 0.3359, 0.3331

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.



91.7440, 0.3344, 0.3415



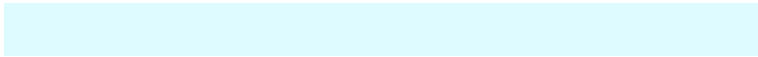
91.7440, 0.2928, 0.3249



91.7440, 0.3262, 0.3229

Square

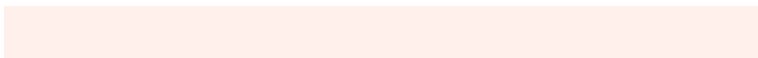
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



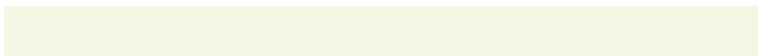
91.7440, 0.2928, 0.3249



91.7440, 0.3046, 0.3106



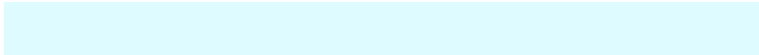
91.7440, 0.3331, 0.3326



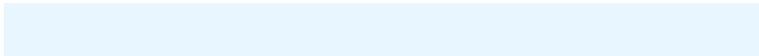
91.7440, 0.3206, 0.3481

Rectangle

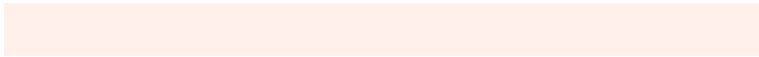
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



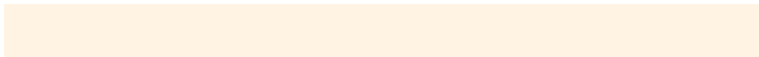
91.7440, 0.2928, 0.3249



91.7440, 0.2938, 0.3122



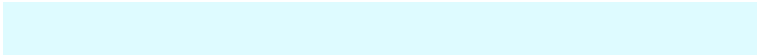
91.7440, 0.3331, 0.3326



91.7440, 0.3319, 0.3458

Sweetspot

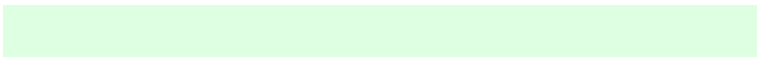
The Sweet Spot groups the original color and five complimentary colors.



91.7478, 0.2928, 0.3249



97.3293, 0.3065, 0.3278



92.5377, 0.3089, 0.3591



20.7275, 0.3053, 0.3276



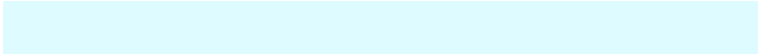
0.0000, 0.0000, 0.0000



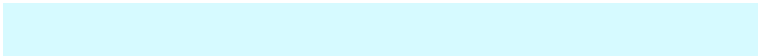
21.4041, 0.3127, 0.3290

Same Dimension

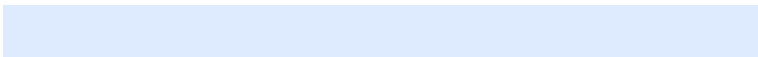
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7478, 0.2928, 0.3249



89.9479, 0.2882, 0.3239



81.9864, 0.2924, 0.3081



20.0829, 0.2980, 0.3260



31.7933, 0.2139, 0.2902



3.1970, 0.2153, 0.2950

Inverse Universe

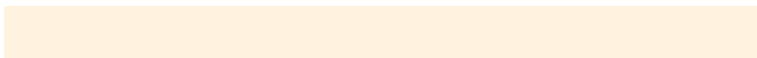
The Inverse Universe completely reimagines the original color for something new.



80.4891, 0.3168, 0.3008



76.3596, 0.3179, 0.2939



90.2558, 0.3337, 0.3491



18.2602, 0.3157, 0.3084



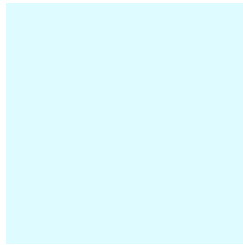
13.9375, 0.3542, 0.1725



1.3673, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 91.7440, 0.2928, 0.3249 looks on a white background.

Color Contrast Check

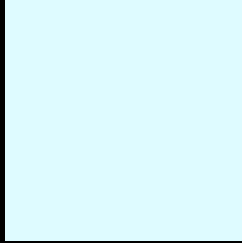
Large Text (above 18pt) WCAG AA × Fail

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 91.7440, 0.2928, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

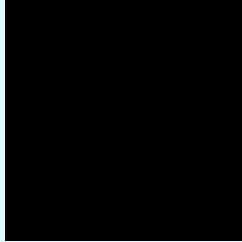
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

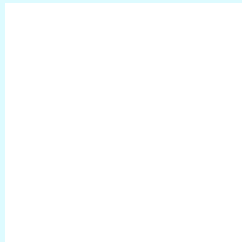
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.7440, 0.2928, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 91.7440, 0.2928, 0.3249.

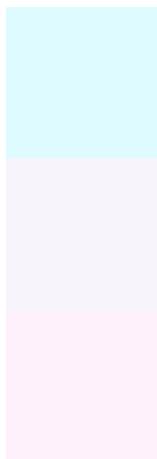


This preview shows how white text looks on a background with the Yxy color 91.7440, 0.2928, 0.3249.

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

91.7440, 0.2928, 0.3249

Protanopia

91.6229, 0.3111, 0.3222

Deuteranopia

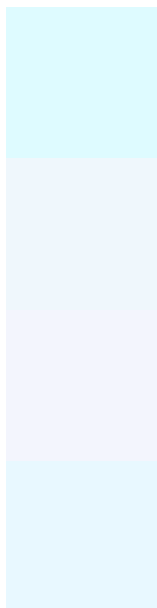
91.1989, 0.3152, 0.3184



Tritanopia

91.7461, 0.3018, 0.3211

Trichromacy



Original Color

91.7440, 0.2928, 0.3249

Protanomaly

91.9005, 0.3047, 0.3240

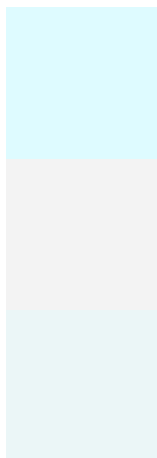
Deuteranomaly

91.4514, 0.3067, 0.3211

Tritanomaly

91.5106, 0.2987, 0.3220

Monochromacy



Original Color

91.7440, 0.2928, 0.3249

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.2891, 0.3052, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.7440, 0.2928, 0.3249 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(222, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 251, 255)  
}
```

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(222, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 91.7440, 0.2928, 0.3249 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(222, 251, 255) }
```

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

```
.border{ border-color:rgb(222, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 91.7440, 0.2928, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 251, 255) }
```

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

```
.background{ background-color: rgb(222,  
251, 255) }
```

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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