

Converting Colors

$Y_{xy}(100.0000, 0.3063, 0.3651)$

Have a look what the booklet for
Yxy(100.0000, 0.3063, 0.3651)
contains.

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Color

Yxy(92.7628, 0.3066, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFE6
RGB	222, 255, 230
RGB Percent	87%, 100%, 90%
CMY	0.1295, 0.0000, 0.0981
CMYK	0.13, 0.00, 0.10, 0.00
HSL	135°, 100%, 94%
HSV	135°, 13%, 100%
XYZ	80.1609, 92.7628, 88.5273
YIQ	242.2830, -11.6430, -14.7710

Conversions

Conversions Part 2

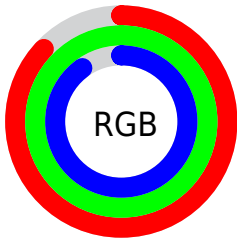
Format	Color
R_{YB}	222, 249, 255
Decimal	14614502
CIE _{Lab}	97.13, -15.23, 8.39
CIE _{LCh}	97, 17.389, 151.166
Yxy	92.7628, 0.3066, 0.3548
Android (android.graphics.Color)	4292804582 (0xFFDEF6)
YUV	242.2830, -6.0555, -17.7882
Hunter-Lab	96.3134, -19.9845, 12.9225

Details

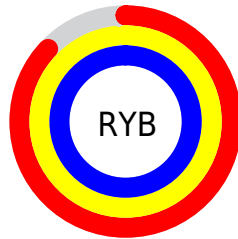
The Yxy color **92.7628, 0.3066, 0.3548** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.2100, 0.3195, 0.3045**, and the grayscale version is **89.0783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6988, 0.3051, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **88.0068, 0.3019, 0.3776**, and if you desaturate by 10%, it is **98.2410, 0.3113, 0.3345**.

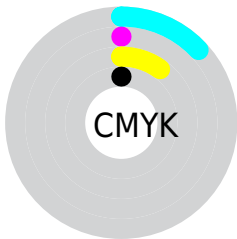
Distribution



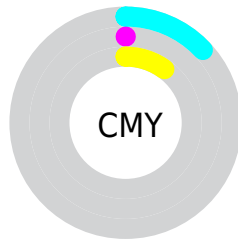
- Red (87%)
- Green (100%)
- Blue (90%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7628, 0.3066, 0.3548 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 92.7628, 0.3066, 0.3548 by changing the saturation by 10% instead.

 92.7628, 0.3066,
0.3548

 92.7628, 0.3066,
0.3548

536.9777, 0.3094,
0.3431

 70.2744, 0.3060,
0.3574

151.1702, 0.3076,
0.3508

 51.7502, 0.3052,
0.3606


187.8579, 0.3080,
0.3492

 36.8060, 0.3042,
0.3646


230.0475, 0.3083,
0.3479

 25.0573, 0.3029,
0.3697

278.1234, 0.3086,
0.3467

 16.1198, 0.3011,
0.3766

332.4700, 0.3088,
0.3457

 9.6090, 0.2986,
0.3862

393.4717, 0.3090,

 5.1405, 0.2947,

0.3447

0.4007

461.5128, 0.3092,
0.3439

■ 2.3299, 0.2879,
0.4248

■ 0.7895, 0.2626,
0.5478

■ 92.7628, 0.3066,
0.3548

■ 92.7628, 0.3066,
0.3548

■ 88.0068, 0.3019,
0.3776

■ 98.2410, 0.3113,
0.3345

■ 83.9524, 0.2975,
0.4029

100.0000, 0.3127,
0.3290

■ 80.5627, 0.2936,
0.4303

■ 77.8014, 0.2905,
0.4591

■ 75.6288, 0.2885,
0.4883

■ 74.0004, 0.2879,
0.5164

■ 72.8651, 0.2888,
0.5419

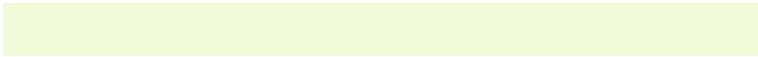
■ 72.1618, 0.2910,
0.5631

■ 71.8652, 0.2931,
0.5751

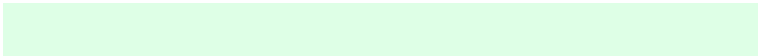
Harmonies

Analogous

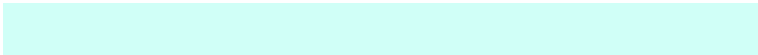
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7628, 0.3260, 0.3627



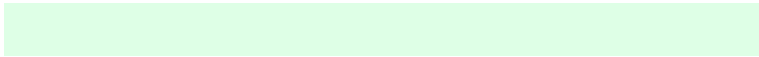
92.7628, 0.3066, 0.3548



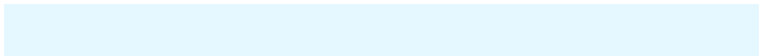
92.7628, 0.2892, 0.3393

Triad

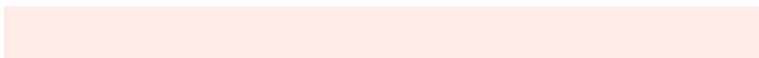
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.7628, 0.3066, 0.3548



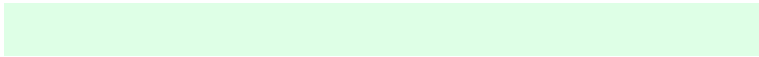
92.7628, 0.2836, 0.2977



92.7628, 0.3484, 0.3350

Complementary

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



92.7628, 0.3066, 0.3548



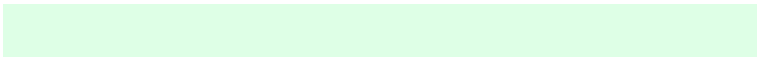
80.2100, 0.3195, 0.3045

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.



92.7628, 0.3364, 0.3186



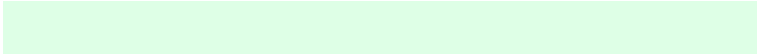
92.7628, 0.3066, 0.3548



92.7628, 0.2987, 0.2975

Square

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



92.7628, 0.3066, 0.3548



92.7628, 0.2762, 0.3061



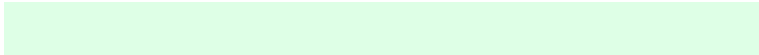
92.7628, 0.3180, 0.3051



92.7628, 0.3506, 0.3504

Rectangle

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



92.7628, 0.3066, 0.3548



92.7628, 0.2810, 0.3272



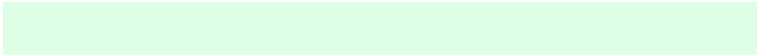
92.7628, 0.3180, 0.3051



92.7628, 0.3454, 0.3294

Sweetspot

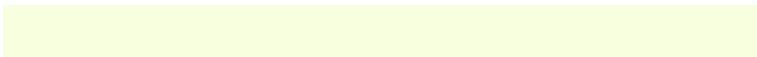
The Sweet Spot groups the original color and five complimentary colors.



92.7592, 0.3066, 0.3548



97.6286, 0.3108, 0.3365



96.6212, 0.3272, 0.3617



20.8040, 0.3105, 0.3380



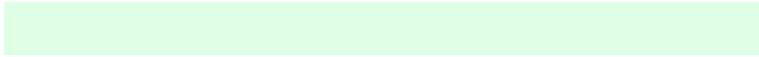
0.0000, 0.0000, 0.0000



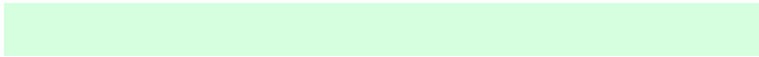
21.4041, 0.3127, 0.3290

Same Dimension

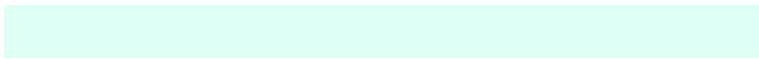
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7592, 0.3066, 0.3548



91.2325, 0.3052, 0.3615



93.7130, 0.2976, 0.3379



20.2403, 0.3082, 0.3475



37.5705, 0.2924, 0.5726



3.6744, 0.2866, 0.5517

Inverse Universe

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



80.2100, 0.3195, 0.3045



76.0543, 0.3213, 0.2986



79.2519, 0.3304, 0.3203



18.2207, 0.3175, 0.3112



13.1510, 0.3937, 0.1943



1.2976, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 92.7628, 0.3066, 0.3548 looks on a white background.

Color Contrast Check

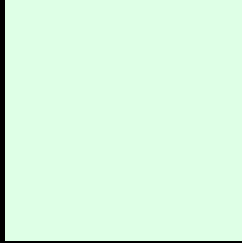
Large Text (above 18pt) WCAG AA × Fail

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 92.7628, 0.3066, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

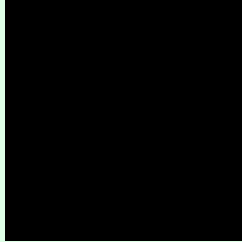
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

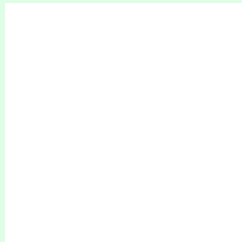
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.7628, 0.3066, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 92.7628, 0.3066, 0.3548.

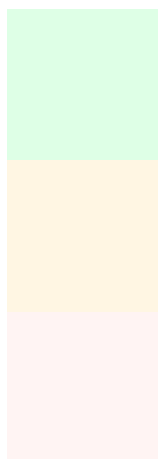


This preview shows how white text looks on a background with the Yxy color 92.7628, 0.3066, 0.3548.

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

92.7628, 0.3066, 0.3548

Protanopia

92.7176, 0.3302, 0.3476

Deuteranopia

92.4324, 0.3205, 0.3300

Tritanopia

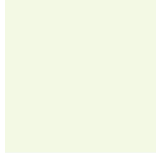
92.2668, 0.3036, 0.3211

Trichromacy



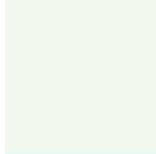
Original Color

92.7628, 0.3066, 0.3548



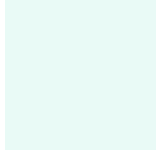
Protanomaly

92.4075, 0.3214, 0.3500



Deuteranomaly

92.3625, 0.3154, 0.3389



Tritanomaly

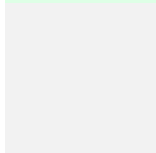
92.3487, 0.3044, 0.3330

Monochromacy



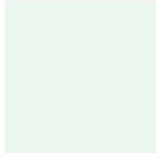
Original Color

92.7628, 0.3066, 0.3548



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.3567, 0.3104, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7628, 0.3066, 0.3548 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, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 230)  
}
```

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, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 92.7628, 0.3066, 0.3548 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, 255, 230) }
```

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

```
.border{ border-color:rgb(222, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7628, 0.3066, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 230) }
```

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

```
.background{ background-color: rgb(222,  
255, 230) }
```

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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