

Converting Colors

$Yxy(90.2431, 0.2942, 0.3523)$

Have a look what the booklet for
Yxy(90.2431, 0.2942, 0.3523)
contains.

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Color

Yxy(90.2406, 0.2942, 0.3523)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CCFFE9 |
| RGB | 204, 255, 233 |
| RGB Percent | 80%, 100%, 91% |
| CMY | 0.2002, 0.0000, 0.0862 |
| CMYK | 0.20, 0.00, 0.09, 0.00 |
| HSL | 154°, 100%, 90% |
| HSV | 154°, 20%, 100% |
| XYZ | 75.3585, 90.2406, 90.5480 |
| YIQ | 237.2430, -23.3340, -17.6540 |

Conversions

Conversions Part 2

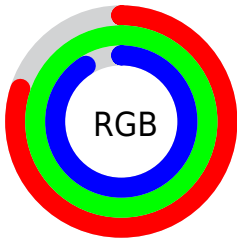
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 204, 237, 255 |
| Decimal | 13434857 |
| CIELab | 96.10, -20.40, 5.19 |
| CIELCh | 96, 21.052, 165.720 |
| Yxy | 90.2406, 0.2942, 0.3523 |
| Android (android.graphics.Color) | 4291624937 (0xFFCCFFE9) |
| YUV | 237.2430, -2.0918, -29.1541 |
| Hunter-Lab | 94.9951, -24.6394, 9.9821 |

Details

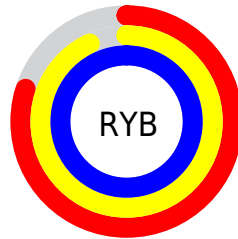
The Yxy color **90.2406, 0.2942, 0.3523** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9030, 0.3360, 0.3069**, and the grayscale version is **84.9006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9521, 0.2903, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **86.3128, 0.2857, 0.3658**, and if you desaturate by 10%, it is **94.7815, 0.3033, 0.3400**.

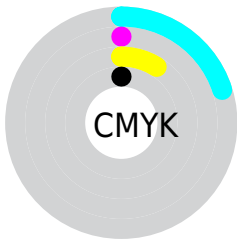
Distribution



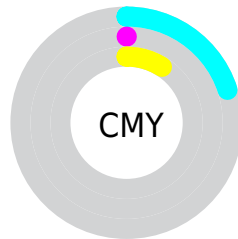
- Red (80%)
- Green (100%)
- Blue (91%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2406, 0.2942, 0.3523 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 90.2406, 0.2942, 0.3523 by changing the saturation by 10% instead.


 90.2406, 0.2942,
0.3523

 90.2406, 0.2942,
0.3523


528.8132, 0.3025,
0.3418

 68.1802, 0.2924,
0.3547


147.6726, 0.2970,
0.3487

 50.0444, 0.2901,
0.3576


183.8129, 0.2982,
0.3473

 35.4486, 0.2873,
0.3612


225.4154, 0.2991,
0.3460

 24.0087, 0.2836,
0.3659

272.8643, 0.3000,
0.3450

 15.3401, 0.2788,
0.3721

326.5442, 0.3007,
0.3440

 9.0584, 0.2721,
0.3810

386.8394, 0.3014,

 4.7793, 0.2620,

0.3432

0.3943

454.1343, 0.3020,
0.3424

■ 2.1184, 0.2455,
0.4168

■ 0.6749, 0.1205,
0.5671

■ 90.2406, 0.2942,
0.3523

■ 90.2406, 0.2942,
0.3523

■ 86.3128, 0.2857,
0.3658

■ 94.7815, 0.3033,
0.3400

■ 82.9924, 0.2780,
0.3805

99.9865, 0.3127,
0.3290

■ 80.2396, 0.2716,
0.3962

100.0000, 0.3127,
0.3290

■ 78.0197, 0.2667,
0.4127

■ 76.2938, 0.2637,
0.4297

■ 75.0176, 0.2627,
0.4468

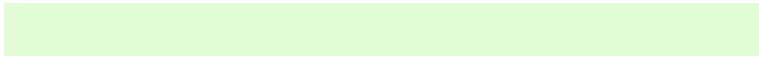
■ 74.1382, 0.2638,
0.4635

■ 73.5710, 0.2666,
0.4797

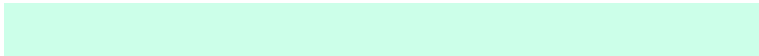
Harmonies

Analogous

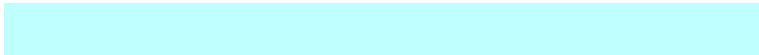
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2406, 0.3174, 0.3672



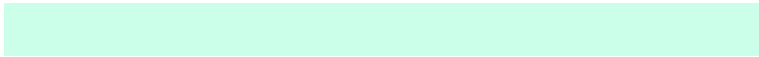
90.2406, 0.2942, 0.3523



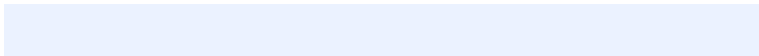
90.2406, 0.2764, 0.3307

Triad

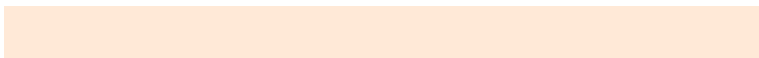
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2406, 0.2942, 0.3523



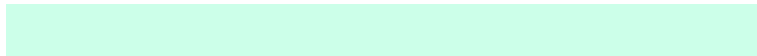
90.2406, 0.2851, 0.2896



90.2406, 0.3594, 0.3456

Complementary

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



90.2406, 0.2942, 0.3523



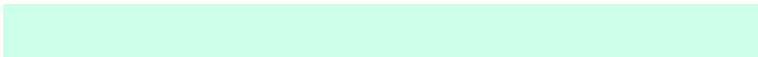
69.9030, 0.3360, 0.3069

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.



90.2406, 0.3502, 0.3257



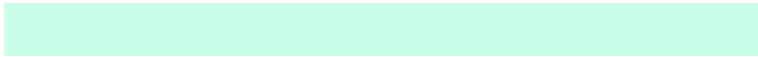
90.2406, 0.2942, 0.3523



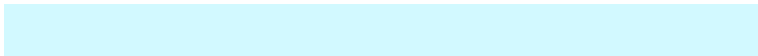
90.2406, 0.3066, 0.2942

Square

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



90.2406, 0.2942, 0.3523



90.2406, 0.2713, 0.2949



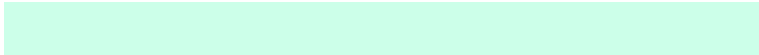
90.2406, 0.3306, 0.3072



90.2406, 0.3555, 0.3622

Rectangle

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



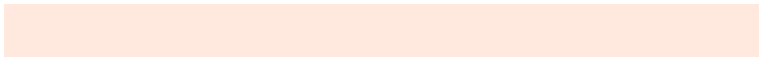
90.2406, 0.2942, 0.3523



90.2406, 0.2697, 0.3161



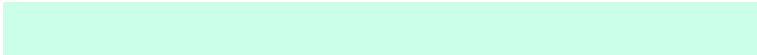
90.2406, 0.3306, 0.3072



90.2406, 0.3577, 0.3391

Sweetspot

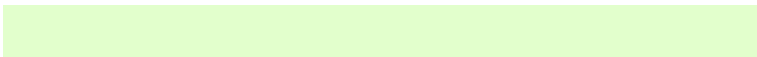
The Sweet Spot groups the original color and five complimentary colors.



90.2327, 0.2942, 0.3523



96.7958, 0.3071, 0.3355



92.0559, 0.3240, 0.3822



20.6467, 0.3064, 0.3362



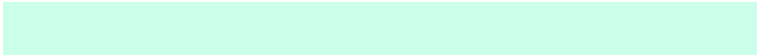
0.0000, 0.0000, 0.0000



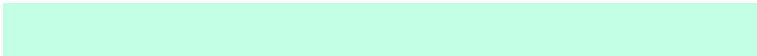
21.4041, 0.3127, 0.3290

Same Dimension

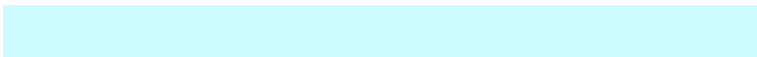
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2327, 0.2942, 0.3523



88.6006, 0.2907, 0.3575



89.4159, 0.2824, 0.3254



20.3415, 0.3038, 0.3394



38.4730, 0.2658, 0.4770



3.7679, 0.2607, 0.4585

Inverse Universe

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



69.9030, 0.3360, 0.3069



64.9298, 0.3418, 0.3022



70.4083, 0.3521, 0.3326



18.1169, 0.3226, 0.3188



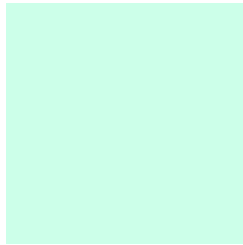
11.7232, 0.5258, 0.2670



1.1628, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 90.2406, 0.2942, 0.3523 looks on a white background.

Color Contrast Check

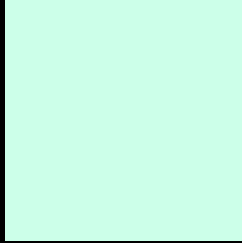
Large Text (above 18pt) WCAG AA × Fail

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 90.2406, 0.2942, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

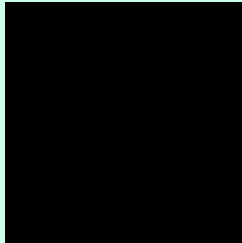
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

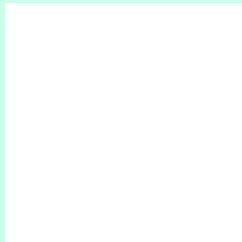
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2406, 0.2942, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 90.2406, 0.2942, 0.3523.

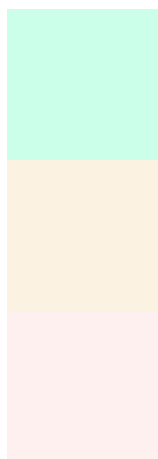


This preview shows how white text looks on a background with the Yxy color 90.2406, 0.2942, 0.3523.

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

90.2406, 0.2942, 0.3523

Protanopia

89.5045, 0.3286, 0.3449

Deuteranopia

89.8714, 0.3226, 0.3290



Tritanopia

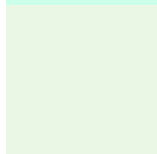
89.9545, 0.2975, 0.3199

Trichromacy



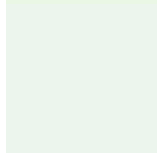
Original Color

90.2406, 0.2942, 0.3523



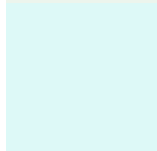
Protanomaly

89.6711, 0.3151, 0.3474



Deuteranomaly

89.2521, 0.3117, 0.3371



Tritanomaly

89.8389, 0.2965, 0.3310

Monochromacy



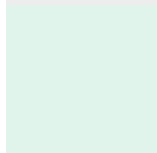
Original Color

90.2406, 0.2942, 0.3523



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7650, 0.3053, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2406, 0.2942, 0.3523 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(204, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 233)  
}
```

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(204, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 90.2406, 0.2942, 0.3523 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(204, 255, 233) }
```

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

```
.border{ border-color:rgb(204, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2406, 0.2942, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 233) }
```

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

```
.background{ background-color: rgb(204,  
255, 233) }
```

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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