

Converting Colors

$Y_{xy}(165.6895, 0.2950, 0.4165)$

Have a look what the booklet for
Yxy(165.6895, 0.2950, 0.4165)
contains.

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Color

Yxy(92.8962, 0.2931, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFF8
RGB	216, 255, 248
RGB Percent	85%, 100%, 97%
CMY	0.1532, 0.0000, 0.0274
CMYK	0.15, 0.00, 0.03, 0.00
HSL	169°, 100%, 92%
HSV	169°, 15%, 100%
XYZ	81.0112, 92.8962, 102.4871
YIQ	242.5410, -20.9970, -10.4450

Conversions

Conversions Part 2

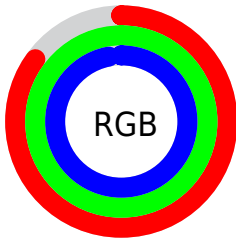
Format	Color
R _Y B	216, 237, 255
Decimal	14221304
CIE Lab	97.19, -13.80, -0.86
CIE LCh	97, 13.829, 183.554
Yxy	92.8962, 0.2931, 0.3361
Android (android.graphics.Color)	4292411384 (0xFFD8FFF8)
YUV	242.5410, 2.6913, -23.2765
Hunter-Lab	96.3827, -18.6375, 4.4227

Details

The Yxy color **92.8962, 0.2931, 0.3361** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6636, 0.3366, 0.3221**, and the grayscale version is **89.2212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7710, 0.2889, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **89.0234, 0.2812, 0.3413**, and if you desaturate by 10%, it is **97.3632, 0.3058, 0.3313**.

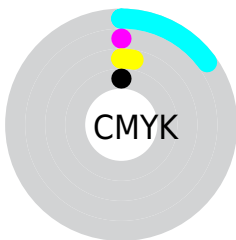
Distribution



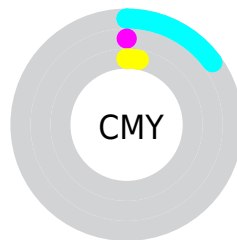
- Red (85%)
- Green (100%)
- Blue (97%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8962, 0.2931, 0.3361 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 92.8962, 0.2931, 0.3361 by changing the saturation by 10% instead.

 92.8962, 0.2931,
0.3361

 92.8962, 0.2931,
0.3361


537.4077, 0.3018,
0.3330

 70.3852, 0.2912,
0.3368


151.3549, 0.2960,
0.3351

 51.8407, 0.2889,
0.3376


188.0714, 0.2972,
0.3346

 36.8781, 0.2861,
0.3386


230.2919, 0.2982,
0.3343

 25.1131, 0.2825,
0.3399

278.4008, 0.2991,
0.3340

 16.1613, 0.2777,
0.3415

332.7824, 0.2999,
0.3337

 9.6384, 0.2712,
0.3438

393.8211, 0.3006,

 5.1599, 0.2618,

0.3334

0.3471

461.9015, 0.3012,
0.3332

■ 2.3414, 0.2469,
0.3522

■ 0.7955, 0.1958,
0.3716

■ 92.8962, 0.2931,
0.3361

■ 92.8962, 0.2931,
0.3361

■ 89.0234, 0.2812,
0.3413

■ 97.3632, 0.3058,
0.3313

■ 85.7400, 0.2704,
0.3468

100.0000, 0.3127,
0.3290

■ 83.0084, 0.2609,
0.3528

■ 80.7960, 0.2530,
0.3590

■ 79.0666, 0.2470,
0.3654

■ 77.7795, 0.2430,
0.3719

■ 76.8873, 0.2409,
0.3784

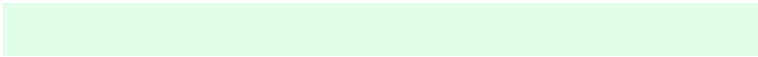
■ 76.3310, 0.2407,
0.3849

■ 76.1466, 0.2411,
0.3879

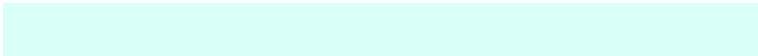
Harmonies

Analogous

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



92.8962, 0.3067, 0.3486



92.8962, 0.2931, 0.3361



92.8962, 0.2848, 0.3219

Triad

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



92.8962, 0.2931, 0.3361



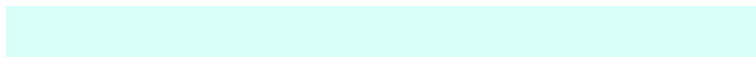
92.8962, 0.3028, 0.3040



92.8962, 0.3425, 0.3471

Complementary

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



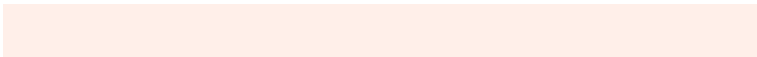
92.8962, 0.2931, 0.3361



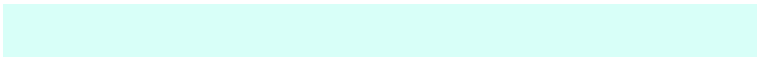
75.6636, 0.3366, 0.3221

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.



92.8962, 0.3415, 0.3350



92.8962, 0.2931, 0.3361



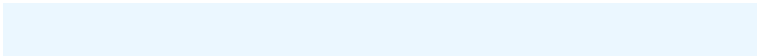
92.8962, 0.3182, 0.3106

Square

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



92.8962, 0.2931, 0.3361



92.8962, 0.2902, 0.3038



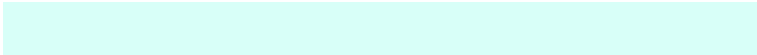
92.8962, 0.3325, 0.3218



92.8962, 0.3354, 0.3547

Rectangle

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



92.8962, 0.2931, 0.3361



92.8962, 0.2832, 0.3136



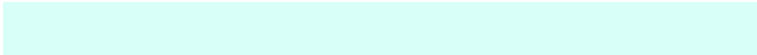
92.8962, 0.3325, 0.3218



92.8962, 0.3431, 0.3434

Sweetspot

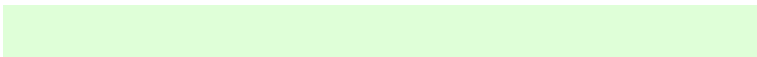
The Sweet Spot groups the original color and five complimentary colors.



92.8885, 0.2931, 0.3361



97.5157, 0.3062, 0.3312



92.1786, 0.3152, 0.3697



20.8004, 0.3053, 0.3315



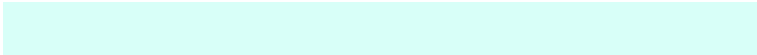
0.0000, 0.0000, 0.0000



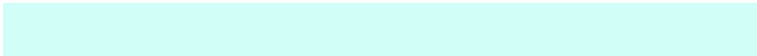
21.4041, 0.3127, 0.3290

Same Dimension

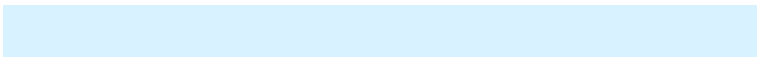
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8885, 0.2931, 0.3361



91.7932, 0.2898, 0.3374



85.6900, 0.2889, 0.3162



20.4225, 0.3004, 0.3333



39.8085, 0.2408, 0.3868



3.8899, 0.2387, 0.3794

Inverse Universe

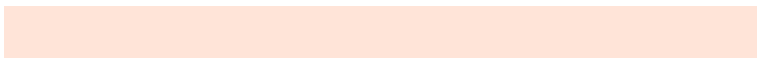
The Inverse Universe completely reimagines the original color for something new.



75.6636, 0.3366, 0.3221



71.9352, 0.3417, 0.3208



81.8714, 0.3397, 0.3415



18.0400, 0.3266, 0.3248



11.2252, 0.6134, 0.3153



1.1067, 0.5847, 0.2995

Previews

White Background



This preview shows how the Yxy color 92.8962, 0.2931, 0.3361 looks on a white background.

Color Contrast Check

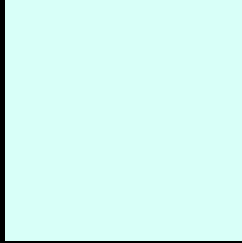
Large Text (above 18pt) WCAG AA × Fail

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 92.8962, 0.2931, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

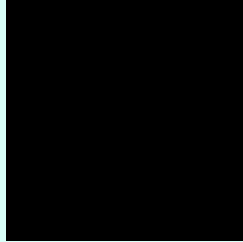
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

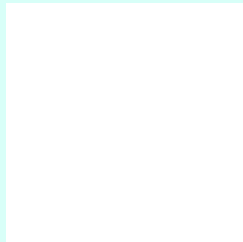
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.8962, 0.2931, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 92.8962, 0.2931, 0.3361.

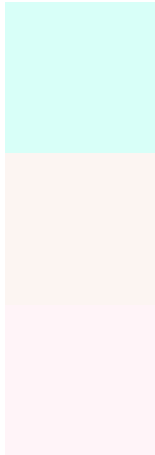


This preview shows how white text looks on a background with the Yxy color 92.8962, 0.2931, 0.3361.

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

92.8962, 0.2931, 0.3361

Protanopia

92.4111, 0.3191, 0.3319

Deuteranopia

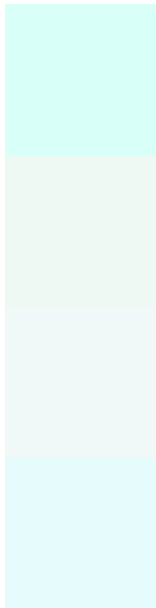
92.7387, 0.3174, 0.3252



Tritanopia

92.5319, 0.3024, 0.3221

Trichromacy



Original Color

92.8962, 0.2931, 0.3361

Protanomaly

92.6337, 0.3093, 0.3340

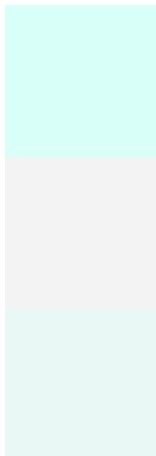
Deuteranomaly

92.6129, 0.3083, 0.3290

Tritanomaly

92.8456, 0.2992, 0.3280

Monochromacy



Original Color

92.8962, 0.2931, 0.3361

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.4377, 0.3050, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8962, 0.2931, 0.3361 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(216, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 248)  
}
```

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(216, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 92.8962, 0.2931, 0.3361 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(216, 255, 248) }
```

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

```
.border{ border-color:rgb(216, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8962, 0.2931, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 248) }
```

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

```
.background{ background-color: rgb(216,  
255, 248) }
```

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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