

Converting Colors

$Yxy(90.8477, 0.2999, 0.3536)$

Have a look what the booklet for
Yxy(90.8477, 0.2999, 0.3536)
contains.

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Color

Yxy(90.6502, 0.3000, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	D4FEE7
RGB	212, 254, 231
RGB Percent	83%, 100%, 91%
CMY	0.1687, 0.0039, 0.0940
CMYK	0.17, 0.00, 0.09, 0.00
HSL	147°, 95%, 91%
HSV	147°, 17%, 100%
XYZ	77.0180, 90.6502, 89.0585
YIQ	238.8200, -17.6490, -16.0570

Conversions

Conversions Part 2

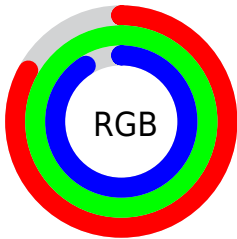
Format	Color
R _Y B	212, 241, 254
Decimal	13958887
CIE Lab	96.27, -17.76, 6.52
CIE LCh	96, 18.919, 159.836
Yxy	90.6502, 0.3000, 0.3531
Android (android.graphics.Color)	4292148967 (0xFFD4FEE7)
YUV	238.8200, -3.8553, -23.5211
Hunter-Lab	95.2104, -22.2252, 11.1882

Details

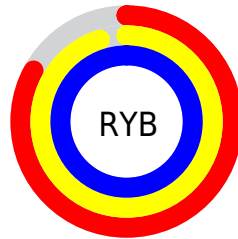
The Yxy color **90.6502, 0.3000, 0.3531** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1517, 0.3278, 0.3061**, and the grayscale version is **86.2126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1957, 0.2975, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **86.4172, 0.2927, 0.3699**, and if you desaturate by 10%, it is **95.5469, 0.3076, 0.3380**.

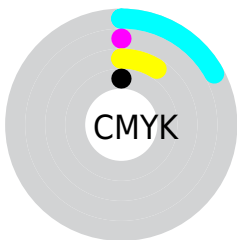
Distribution



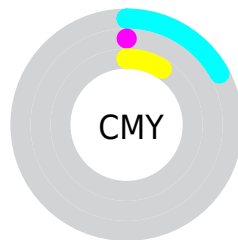
- Red (83%)
- Green (100%)
- Blue (91%)



- Red (83%)
- Yellow (95%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.6502, 0.3000, 0.3531 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 90.6502, 0.3000, 0.3531 by changing the saturation by 10% instead.


 90.6502, 0.3000,
0.3531

 90.6502, 0.3000,
0.3531

530.1437, 0.3058,
0.3422

 68.5200, 0.2987,
0.3555

148.2412, 0.3020,
0.3494

 50.3209, 0.2971,
0.3585

184.4709, 0.3027,
0.3479

 35.6685, 0.2952,
0.3623


226.1691, 0.3034,
0.3466

 24.1783, 0.2926,
0.3672

273.7204, 0.3040,
0.3455

 15.4659, 0.2892,
0.3737

327.5091, 0.3045,
0.3445

 9.1470, 0.2844,
0.3828

387.9197, 0.3050,

 4.8372, 0.2772,

0.3437

0.3967

455.3364, 0.3054,
0.3429

■ 2.1521, 0.2651,
0.4202

■ 0.6937, 0.1852,
0.5691

■ 90.6502, 0.3000,
0.3531

■ 90.6502, 0.3000,
0.3531

■ 86.4172, 0.2927,
0.3699


■ 95.5469, 0.3076,
0.3380

■ 82.8074, 0.2860,
0.3884

99.3669, 0.3128,
0.3281


■ 79.7931, 0.2803,
0.4083

■ 77.3403, 0.2759,
0.4293

 75.4110, 0.2731,
0.4510

 73.9627, 0.2723,
0.4727

 72.9454, 0.2734,
0.4936

 72.2971, 0.2764,
0.5132

 72.1267, 0.2777,
0.5196

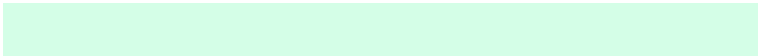
Harmonies

Analogous

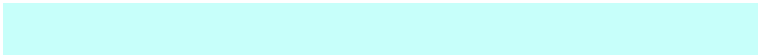
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6502, 0.3212, 0.3646



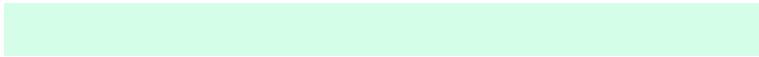
90.6502, 0.3000, 0.3531



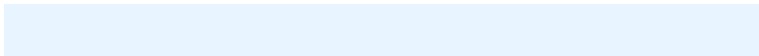
90.6502, 0.2826, 0.3345

Triad

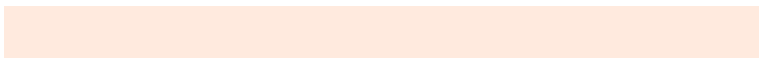
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6502, 0.3000, 0.3531



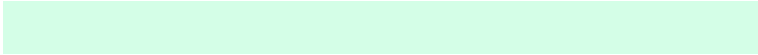
90.6502, 0.2848, 0.2937



90.6502, 0.3538, 0.3407

Complementary

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



90.6502, 0.3000, 0.3531



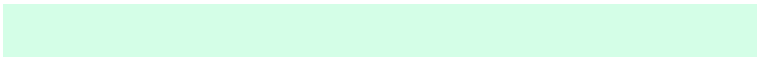
74.1517, 0.3278, 0.3061

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.



90.6502, 0.3434, 0.3226



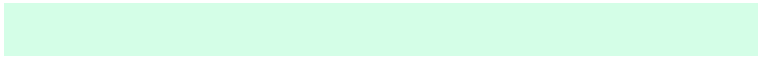
90.6502, 0.3000, 0.3531



90.6502, 0.3032, 0.2962

Square

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



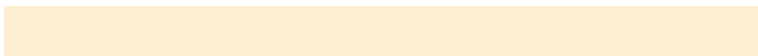
90.6502, 0.3000, 0.3531



90.6502, 0.2741, 0.3004



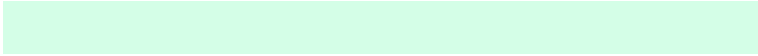
90.6502, 0.3247, 0.3066



90.6502, 0.3527, 0.3565

Rectangle

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



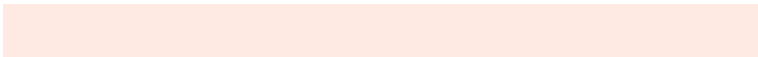
90.6502, 0.3000, 0.3531



90.6502, 0.2753, 0.3213



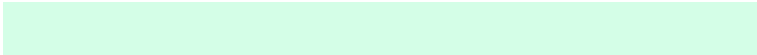
90.6502, 0.3247, 0.3066



90.6502, 0.3516, 0.3347

Sweetspot

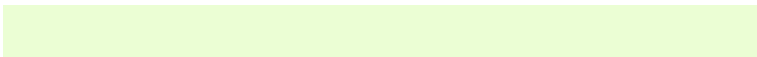
The Sweet Spot groups the original color and five complimentary colors.



90.6540, 0.3000, 0.3531



97.2205, 0.3088, 0.3358



93.3192, 0.3253, 0.3719



20.7286, 0.3083, 0.3368



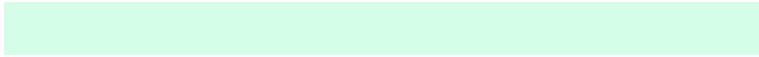
0.0000, 0.0000, 0.0000



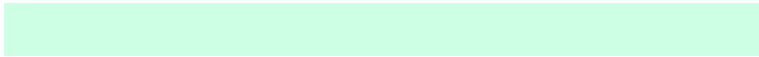
21.4041, 0.3127, 0.3290

Same Dimension

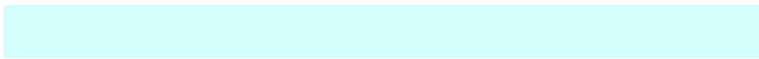
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6540, 0.3000, 0.3531



89.9093, 0.2974, 0.3587



91.9051, 0.2887, 0.3311



20.3050, 0.3054, 0.3423



38.0532, 0.2768, 0.5166



3.7268, 0.2708, 0.4947

Inverse Universe

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



74.1517, 0.3278, 0.3061



70.2658, 0.3316, 0.3011



73.0150, 0.3429, 0.3270



18.1533, 0.3208, 0.3161



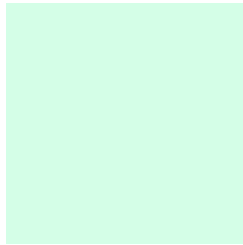
12.1205, 0.4766, 0.2399



1.2022, 0.4539, 0.2274

Previews

White Background



This preview shows how the Yxy color 90.6502, 0.3000, 0.3531 looks on a white background.

Color Contrast Check

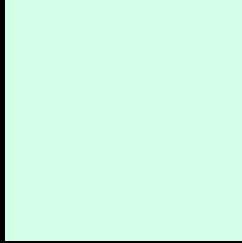
Large Text (above 18pt) WCAG AA × Fail

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 90.6502, 0.3000, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

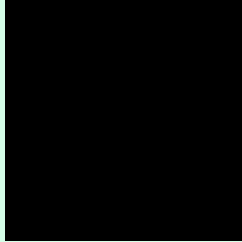
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

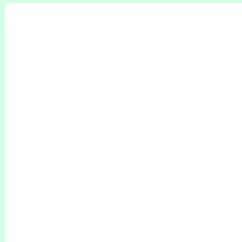
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.6502, 0.3000, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 90.6502, 0.3000, 0.3531.

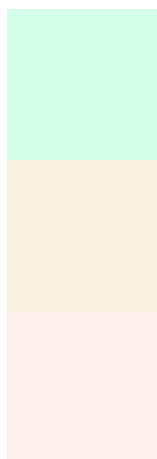


This preview shows how white text looks on a background with the Yxy color 90.6502, 0.3000, 0.3531.

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

90.6502, 0.3000, 0.3531

Protanopia

90.2329, 0.3298, 0.3469

Deuteranopia

90.4619, 0.3226, 0.3300



Tritanopia

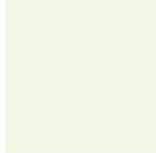
90.4552, 0.2993, 0.3200

Trichromacy



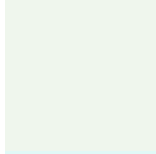
Original Color

90.6502, 0.3000, 0.3531



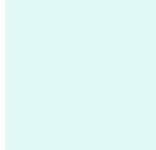
Protanomaly

90.0721, 0.3182, 0.3493



Deuteranomaly

90.3767, 0.3136, 0.3380



Tritanomaly

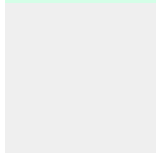
90.4127, 0.2995, 0.3320

Monochromacy



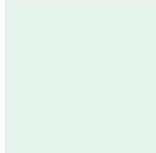
Original Color

90.6502, 0.3000, 0.3531



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.4155, 0.3078, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6502, 0.3000, 0.3531 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(212, 254, 231)` looks like.

```
.text, #text, p{  
    color:rgb(212, 254, 231)  
}
```

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(212, 254, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 254, 231) }
```

Border

The CSS property to change the border of an element to Yxy 90.6502, 0.3000, 0.3531 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(212, 254, 231) }
```

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

```
.border{ border-color:rgb(212, 254, 231) }
```

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

Here you see how a box with a 4 pixel rgb(212, 254, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 254, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 254, 231);  
box-shadow:4px 4px 4px 4px rgb(212, 254,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6502, 0.3000, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 254, 231) }
```

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

```
.background{ background-color: rgb(212,  
254, 231) }
```

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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