

Converting Colors

$Yxy(78.6443, 0.3081, 0.3514)$

Have a look what the booklet for
Yxy(78.6443, 0.3081, 0.3514)
contains.

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Color

Yxy(78.6504, 0.3077, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	D2ECD8
RGB	210, 236, 216
RGB Percent	82%, 93%, 85%
CMY	0.1765, 0.0745, 0.1529
CMYK	0.11, 0.00, 0.08, 0.07
HSL	134°, 41%, 87%
HSV	134°, 11%, 93%
XYZ	68.9676, 78.6504, 76.5211
YIQ	225.9460, -9.0760, -11.7320

Conversions

Conversions Part 2

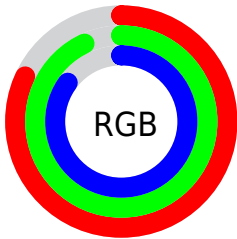
Format	Color
R_{YB}	210, 231, 236
Decimal	13823192
CIE _{Lab}	91.08, -12.23, 6.80
CIE _{LCh}	91, 13.993, 150.936
Y _{xy}	78.6504, 0.3077, 0.3509
Android (android.graphics.Color)	4292013272 (0xFFD2ECD8)
YUV	225.9460, -4.9034, -13.9846
Hunter-Lab	88.6851, -16.3850, 10.9217

Details

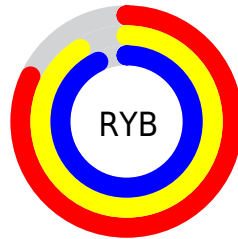
The Yxy color **78.6504, 0.3077, 0.3509** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6348, 0.3181, 0.3080**, and the grayscale version is **76.0547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1843, 0.3063, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **74.5545, 0.3032, 0.3735**, and if you desaturate by 10%, it is **83.3673, 0.3123, 0.3309**.

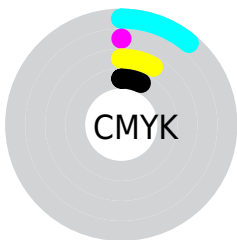
Distribution



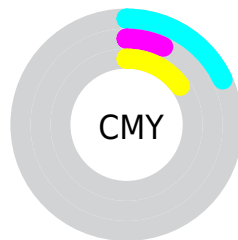
- Red (82%)
- Green (93%)
- Blue (85%)



- Red (82%)
- Yellow (91%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (18%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6504, 0.3077, 0.3509 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 78.6504, 0.3077, 0.3509 by changing the saturation by 10% instead.


 78.6504, 0.3077,
0.3509

 78.6504, 0.3077,
0.3509

490.3729, 0.3101,
0.3407

 58.6084, 0.3071,
0.3532

131.4666, 0.3085,
0.3474

 42.2980, 0.3065,
0.3561


165.0096, 0.3089,
0.3460

 29.3347, 0.3056,
0.3598

203.8217, 0.3091,
0.3448

 19.3342, 0.3044,
0.3646

248.2873, 0.3094,
0.3438

 11.9120, 0.3028,
0.3712

298.7908, 0.3096,
0.3429

 6.6838, 0.3003,
0.3808

355.7167, 0.3098,

 3.2651, 0.2964,

0.3421

419.4492, 0.3099,
0.3414

0.3959

1.2717, 0.2892,
0.4241

0.1191, 0.0000,
1.0000

78.6504, 0.3077,
0.3509

78.6504, 0.3077,
0.3509

74.5545, 0.3032,
0.3735

83.3673, 0.3123,
0.3309

71.0440, 0.2988,
0.3985

88.3012, 0.3153,
0.3133

68.0948, 0.2949,
0.4258

88.4748, 0.3136,
0.3107

65.6772, 0.2917,
0.4547

■ 63.7588, 0.2895,
0.4841

■ 62.3035, 0.2886,
0.5127

■ 61.2703, 0.2891,
0.5388

■ 60.6103, 0.2910,
0.5610

■ 60.2673, 0.2935,
0.5765

Harmonies

Analogous

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



78.6504, 0.3242, 0.3576



78.6504, 0.3077, 0.3509



78.6504, 0.2928, 0.3379

Triad

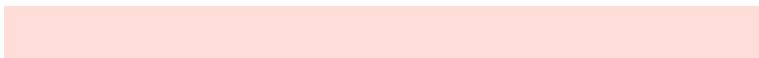
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6504, 0.3077, 0.3509



78.6504, 0.2878, 0.3023



78.6504, 0.3430, 0.3341

Complementary

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



78.6504, 0.3077, 0.3509



69.6348, 0.3181, 0.3080

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.



78.6504, 0.3327, 0.3201



78.6504, 0.3077, 0.3509



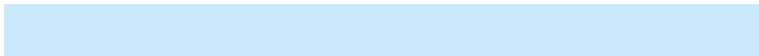
78.6504, 0.3007, 0.3020

Square

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



78.6504, 0.3077, 0.3509



78.6504, 0.2815, 0.3097



78.6504, 0.3171, 0.3085



78.6504, 0.3449, 0.3473

Rectangle

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



78.6504, 0.3077, 0.3509



78.6504, 0.2857, 0.3277



78.6504, 0.3171, 0.3085



78.6504, 0.3404, 0.3294

Sweetspot

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



78.6537, 0.3077, 0.3509



98.2050, 0.3114, 0.3347



81.5318, 0.3252, 0.3565



20.9197, 0.3110, 0.3362



0.0000, 0.0000, 0.0000



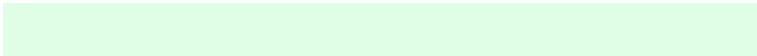
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6537, 0.3077, 0.3509



92.7125, 0.3068, 0.3553



79.3319, 0.3001, 0.3369



16.9193, 0.3084, 0.3476



33.2347, 0.2928, 0.5741



2.6242, 0.2856, 0.5482

Inverse Universe

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



69.6348, 0.3181, 0.3080



80.1583, 0.3193, 0.3041



68.9513, 0.3271, 0.3212



15.2506, 0.3173, 0.3111



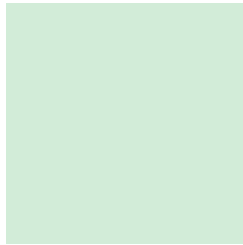
11.6975, 0.3897, 0.1920



0.9330, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 78.6504, 0.3077, 0.3509 looks on a white background.

Color Contrast Check

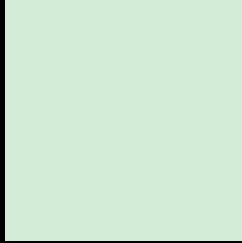
Large Text (above 18pt) WCAG AA × Fail

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 78.6504, 0.3077, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

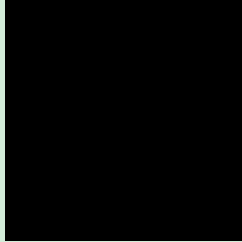
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

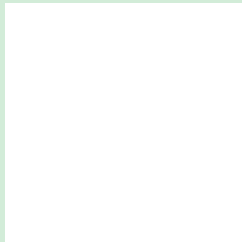
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6504, 0.3077, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 78.6504, 0.3077, 0.3509.

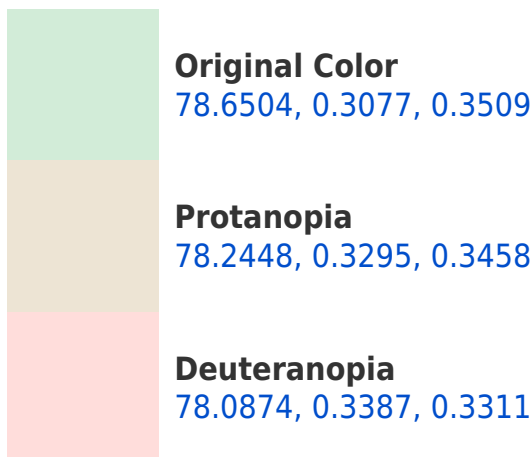


This preview shows how white text looks on a background with the Yxy color 78.6504, 0.3077, 0.3509.

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

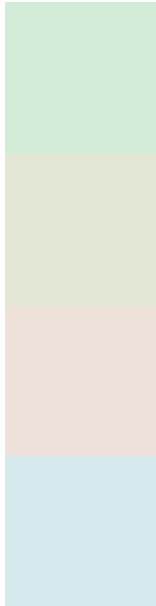




Tritanopia

78.5903, 0.2919, 0.3101

Trichromacy



Original Color

78.6504, 0.3077, 0.3509

Protanomaly

78.2868, 0.3215, 0.3482

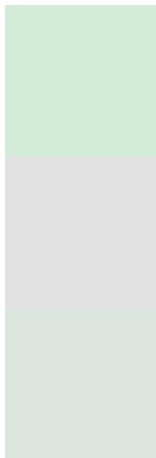
Deuteranomaly

77.8054, 0.3271, 0.3374

Tritanomaly

78.6884, 0.2977, 0.3247

Monochromacy



Original Color

78.6504, 0.3077, 0.3509

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.0832, 0.3109, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6504, 0.3077, 0.3509 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(210, 236, 216)` looks like.

```
.text, #text, p{  
    color:rgb(210, 236, 216)  
}
```

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(210, 236, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 236, 216) }
```

Border

The CSS property to change the border of an element to Yxy 78.6504, 0.3077, 0.3509 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(210, 236, 216) }
```

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

```
.border{ border-color:rgb(210, 236, 216) }
```

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

Here you see how a box with a 4 pixel rgb(210, 236, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 236, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 236, 216);  
box-shadow:4px 4px 4px 4px rgb(210, 236,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6504, 0.3077, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 236, 216) }
```

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

```
.background{ background-color: rgb(210,  
236, 216) }
```

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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