

# Converting Colors

$Yxy(78.8031, 0.3260, 0.3755)$

Have a look what the booklet for  
Yxy(78.8031, 0.3260, 0.3755)  
contains.

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# Color

**Yxy(78.6377, 0.3261, 0.3752)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9ECC2
RGB	217, 236, 194
RGB Percent	85%, 93%, 76%
CMY	0.1490, 0.0745, 0.2393
CMYK	0.08, 0.00, 0.18, 0.07
HSL	87°, 53%, 84%
HSV	87°, 18%, 93%
XYZ	68.3469, 78.6377, 62.6042
YIQ	225.5310, 2.1580, -17.0900

# Conversions

## Conversions Part 2

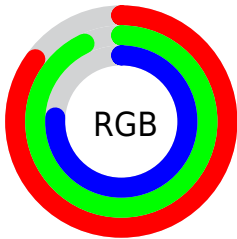
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 236, 213
Decimal	14281922
CIELab	91.07, -13.56, 18.30
CIELCh	91, 22.773, 126.540
Yxy	78.6377, 0.3261, 0.3752
Android (android.graphics.Color)	4292472002 (0xFFD9ECC2)
YUV	225.5310, -15.5448, -7.4817
Hunter-Lab	88.6779, -17.6107, 20.2174

# Details

The Yxy color **78.6377, 0.3261, 0.3752** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.7769, 0.2973, 0.2825**, and the grayscale version is **75.8114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **42.2173, 0.3291, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **76.0805, 0.3333, 0.4036**, and if you desaturate by 10%, it is **81.4759, 0.3186, 0.3485**.

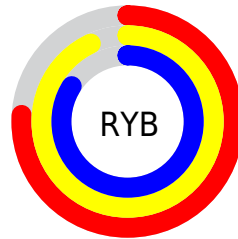
# Distribution



Red (85%)

Green (93%)

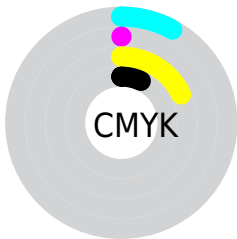
Blue (76%)



Red (76%)

Yellow (93%)

Blue (84%)

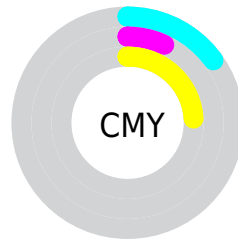


Cyan (8%)

Magenta (0%)

Yellow (18%)

Black (7%)



Cyan (15%)

Magenta (7%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6377, 0.3261, 0.3752 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 78.6377, 0.3261, 0.3752 by changing the saturation by 10% instead.




 78.6377, 0.3261,  
0.3752

 78.6377, 0.3261,  
0.3752


490.3298, 0.3203,  
0.3536

 58.5980, 0.3273,  
0.3802


 131.4487, 0.3241,  
0.3677

 42.2896, 0.3288,  
0.3863


164.9888, 0.3234,  
0.3648

 29.3281, 0.3306,  
0.3942


203.7977, 0.3227,  
0.3623

 19.3292, 0.3328,  
0.4045

248.2600, 0.3221,  
0.3601

 11.9084, 0.3356,  
0.4186

298.7599, 0.3216,  
0.3582

 6.6813, 0.3390,  
0.4389

355.6819, 0.3211,

 3.2636, 0.3429,

0.3565

0.4707

419.4105, 0.3206,  
0.3550

1.2709, 0.3861,  
0.5884

0.1185, 0.0000,  
1.0000

78.6377, 0.3261,  
0.3752

78.6377, 0.3261,  
0.3752

76.0805, 0.3333,  
0.4036

81.4759, 0.3186,  
0.3485

73.7842, 0.3399,  
0.4330

84.5942, 0.3111,  
0.3238

71.7415, 0.3454,  
0.4624

87.3585, 0.3096,  
0.3105

69.9411, 0.3493,  
0.4906

88.4748, 0.3136,  
0.3107

■ 68.3702, 0.3513,  
0.5161

■ 67.0149, 0.3509,  
0.5374

■ 65.8589, 0.3482,  
0.5536

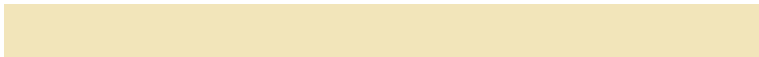
■ 64.8809, 0.3435,  
0.5644

■ 64.6835, 0.3423,  
0.5664

# Harmonies

## Analogous

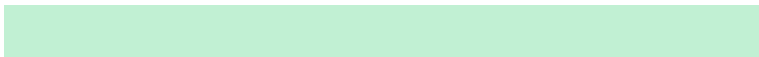
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6377, 0.3500, 0.3745



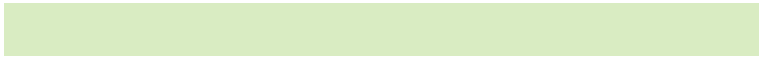
78.6377, 0.3261, 0.3752



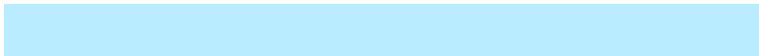
78.6377, 0.2993, 0.3619

# Triad

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



78.6377, 0.3261, 0.3752



78.6377, 0.2636, 0.2943



78.6377, 0.3493, 0.3184

# Complementary

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



78.6377, 0.3261, 0.3752



58.7769, 0.2973, 0.2825

# Split Complementary

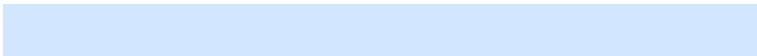
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6377, 0.3247, 0.2992



78.6377, 0.3261, 0.3752



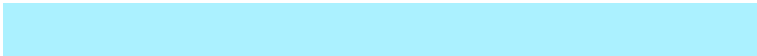
78.6377, 0.2756, 0.2852

# Square

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



78.6377, 0.3261, 0.3752



78.6377, 0.2640, 0.3136



78.6377, 0.2977, 0.2872

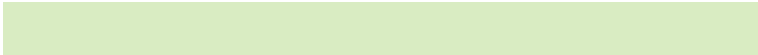


78.6377, 0.3640, 0.3408



# Rectangle

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



78.6377, 0.3261, 0.3752



78.6377, 0.2835, 0.3470



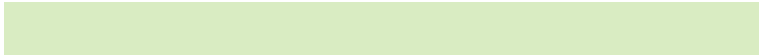
78.6377, 0.2977, 0.2872



78.6377, 0.3419, 0.3114

# Sweetspot

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



78.6411, 0.3261, 0.3752



98.1286, 0.3165, 0.3414



69.2634, 0.3436, 0.3495



20.9487, 0.3170, 0.3432



0.0000, 0.0000, 0.0000

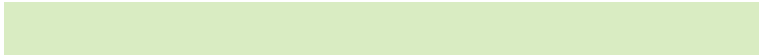


21.4041, 0.3127, 0.3290

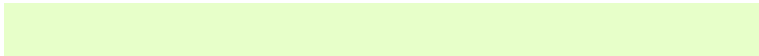


# Same Dimension

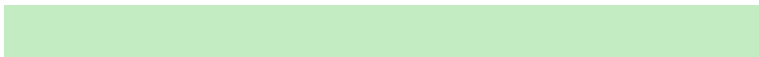
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6411, 0.3261, 0.3752



92.7110, 0.3285, 0.3844



75.6362, 0.3118, 0.3773



17.2687, 0.3198, 0.3528



35.7304, 0.3434, 0.5655



2.8627, 0.3534, 0.5576



# Inverse Universe

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



58.7769, 0.2973, 0.2825



65.3184, 0.2940, 0.2732



62.1090, 0.3132, 0.2847



14.8825, 0.3051, 0.3051



5.1266, 0.1935, 0.0840

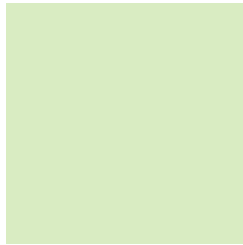


0.4590, 0.2089, 0.0924



# Previews

## White Background



This preview shows how the Yxy color 78.6377, 0.3261, 0.3752 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 78.6377, 0.3261, 0.3752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

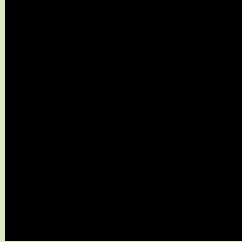
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

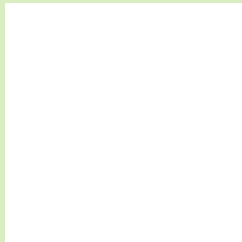
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.6377, 0.3261, 0.3752**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6377, 0.3261, 0.3752.

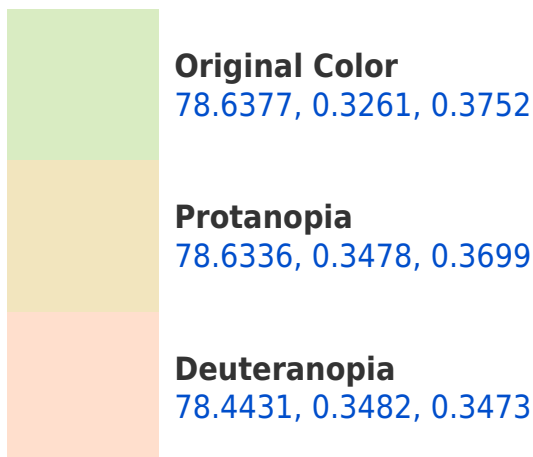


This preview shows how white text looks on a background with the Yxy color 78.6377, 0.3261, 0.3752.

# 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

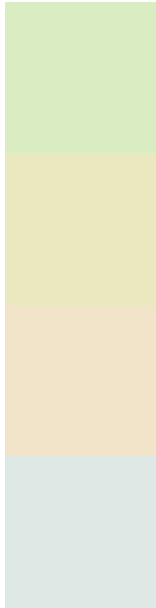




## Tritanopia

78.7616, 0.2989, 0.3103

# Trichromacy



**Original Color**

78.6377, 0.3261, 0.3752

**Protanomaly**

78.7985, 0.3400, 0.3728

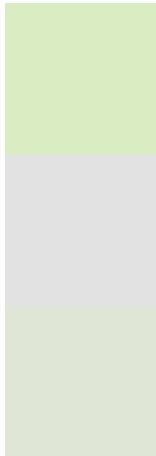
**Deuteranomaly**

78.4046, 0.3398, 0.3573

**Tritanomaly**

78.8443, 0.3085, 0.3332

# Monochromacy



**Original Color**

78.6377, 0.3261, 0.3752

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

77.1366, 0.3181, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6377, 0.3261, 0.3752 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(217, 236, 194)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 194)  
}
```

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(217, 236, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6377, 0.3261, 0.3752 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(217, 236, 194) }
```

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

```
.border{ border-color:rgb(217, 236, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 236, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 236, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 236, 194); box-shadow:4px 4px 4px 4px rgb(217, 236, 194) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6377, 0.3261, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 194) }
```

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

```
.background{ background-color: rgb(217,  
236, 194) }
```

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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