

# Converting Colors

$Yxy(75.0009, 0.2838, 0.3512)$

Have a look what the booklet for  
Yxy(75.0009, 0.2838, 0.3512)  
contains.

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# Color

**Yxy(75.2097, 0.2842, 0.3522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEEDA
RGB	174, 238, 218
RGB Percent	68%, 93%, 85%
CMY	0.3175, 0.0667, 0.1451
CMYK	0.27, 0.00, 0.08, 0.07
HSL	161°, 65%, 81%
HSV	161°, 27%, 93%
XYZ	60.6888, 75.2097, 77.6441
YIQ	216.5840, -31.7240, -19.7880

# Conversions

## Conversions Part 2

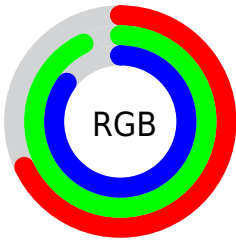
Format	Color
<a href="#">RYB</a>	<a href="#">174, 212, 238</a>
Decimal	<a href="#">11464410</a>
CIELab	<a href="#">89.49, -24.15, 3.20</a>
CIElCh	<a href="#">89, 24.361, 172.452</a>
Yxy	<a href="#">75.2097, 0.2842, 0.3522</a>
Android (android.graphics.Color)	<a href="#">4289654490 (0xFFAEEEDA)</a>
YUV	<a href="#">216.5840, 0.6981, -37.3462</a>
Hunter-Lab	<a href="#">86.7235, -26.8525, 7.6238</a>

# Details

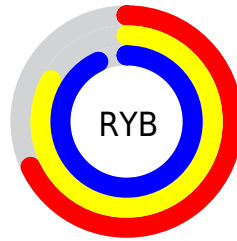
The Yxy color **75.2097, 0.2842, 0.3522** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.3570, 0.3528, 0.3071**, and the grayscale version is **69.1051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **40.0933, 0.2777, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **72.3356, 0.2750, 0.3623**, and if you desaturate by 10%, it is **78.5918, 0.2943, 0.3429**.

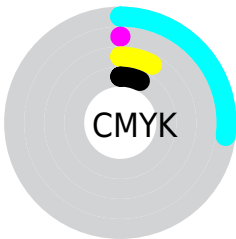
# Distribution



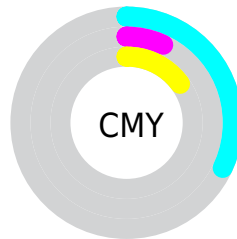
- Red (68%)
- Green (93%)
- Blue (85%)



- Red (68%)
- Yellow (83%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (32%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2097, 0.2842, 0.3522 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 75.2097, 0.2842, 0.3522 by changing the saturation by 10% instead.




 75.2097, 0.2842,  
0.3522

 75.2097, 0.2842,  
0.3522


478.6380, 0.2974,  
0.3414

 55.7847, 0.2812,  
0.3547


 126.6092, 0.2888,  
0.3484

 40.0303, 0.2775,  
0.3578

159.3524, 0.2905,  
0.3470

 27.5622, 0.2728,  
0.3617


197.3039, 0.2921,  
0.3457

 17.9959, 0.2667,  
0.3669

240.8479, 0.2934,  
0.3446

 10.9470, 0.2583,  
0.3740

290.3690, 0.2946,  
0.3437

 6.0312, 0.2463,  
0.3844

346.2514, 0.2956,

 2.8641, 0.2276,

0.3428

0.4009

408.8796, 0.2965,  
0.3421

1.0612, 0.1711,  
0.4439

0.0000, 0.0000,  
0.0000

75.2097, 0.2842,  
0.3522

75.2097, 0.2842,  
0.3522

72.3356, 0.2750,  
0.3623

78.5918, 0.2943,  
0.3429

69.9345, 0.2670,  
0.3732

82.4965, 0.3051,  
0.3344

67.9812, 0.2605,  
0.3846

86.9492, 0.3162,  
0.3267

66.4446, 0.2559,  
0.3964

89.1718, 0.3179,  
0.3196

■ 65.2894, 0.2532,  
0.4085

■ 89.6290, 0.3135,  
0.3127

■ 64.4743, 0.2526,  
0.4205

■ 63.9465, 0.2539,  
0.4324

■ 63.8141, 0.2545,  
0.4361

# Harmonies

## Analogous

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



75.2097, 0.3116, 0.3734



75.2097, 0.2842, 0.3522



75.2097, 0.2649, 0.3246

# Triad

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



75.2097, 0.2842, 0.3522



75.2097, 0.2841, 0.2813



75.2097, 0.3706, 0.3541

# Complementary

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



75.2097, 0.2842, 0.3522



52.3570, 0.3528, 0.3071

# 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.



75.2097, 0.3628, 0.3302



75.2097, 0.2842, 0.3522



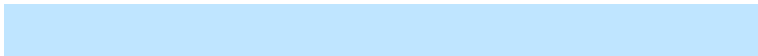
75.2097, 0.3117, 0.2895

# Square

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



75.2097, 0.2842, 0.3522



75.2097, 0.2649, 0.2846



75.2097, 0.3408, 0.3070



75.2097, 0.3621, 0.3730

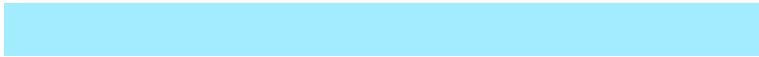


# Rectangle

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



75.2097, 0.2842, 0.3522



75.2097, 0.2588, 0.3073



75.2097, 0.3408, 0.3070



75.2097, 0.3698, 0.3464

# Sweetspot

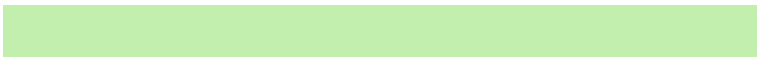
The Sweet Spot groups the original color and five complimentary colors.



75.2128, 0.2842, 0.3522



95.9301, 0.3038, 0.3353



75.7134, 0.3225, 0.4033



20.3791, 0.3022, 0.3365



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

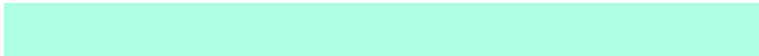


# Same Dimension

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



75.2128, 0.2842, 0.3522



86.1341, 0.2792, 0.3574



69.7158, 0.2722, 0.3154



17.8399, 0.3023, 0.3365



35.6262, 0.2540, 0.4342



2.9816, 0.2496, 0.4186



# Inverse Universe

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



52.3570, 0.3528, 0.3071



55.4204, 0.3634, 0.3026



56.2498, 0.3675, 0.3422



15.8403, 0.3244, 0.3216



10.4406, 0.5716, 0.2922

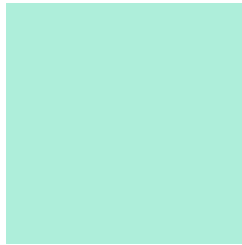


0.8858, 0.5344, 0.2717



# Previews

## White Background



This preview shows how the Yxy color 75.2097, 0.2842, 0.3522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

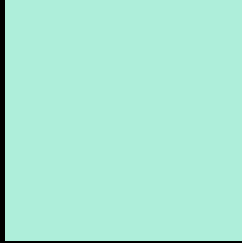
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2097, 0.2842, 0.3522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

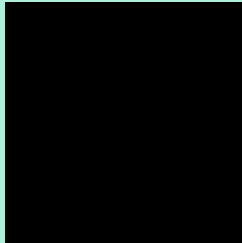
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

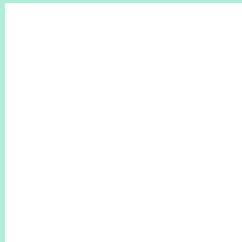
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2097, 0.2842, 0.3522**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2097, 0.2842, 0.3522.

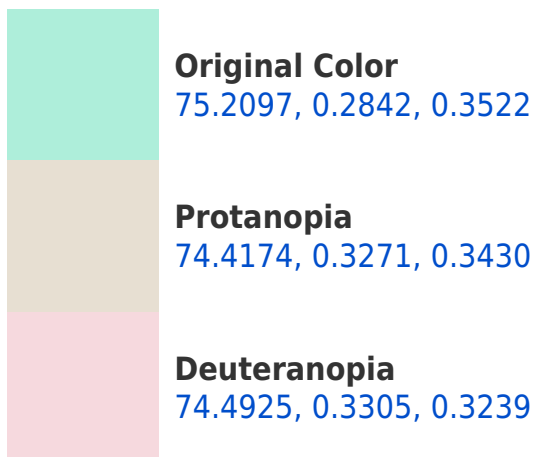


This preview shows how white text looks on a background with the Yxy color 75.2097, 0.2842, 0.3522.

# 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

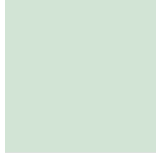
75.1299, 0.2695, 0.3079

# Trichromacy



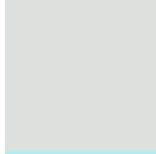
## Original Color

75.2097, 0.2842, 0.3522



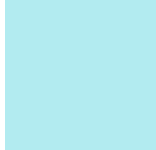
## Protanomaly

73.9925, 0.3099, 0.3457



## Deuteranomaly

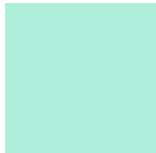
74.2865, 0.3118, 0.3333



## Tritanomaly

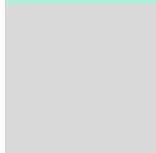
75.1729, 0.2743, 0.3232

# Monochromacy



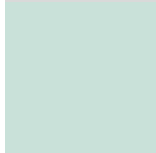
## Original Color

75.2097, 0.2842, 0.3522



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.2777, 0.3013, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2097, 0.2842, 0.3522 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(174, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(174, 238, 218)  
}
```

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(174, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 238, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2097, 0.2842, 0.3522 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(174, 238, 218) }
```

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

```
.border{ border-color:rgb(174, 238, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(174, 238,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2097, 0.2842, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 238, 218) }
```

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

```
.background{ background-color: rgb(174,  
238, 218) }
```

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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