

Converting Colors

$Yxy(70.7856, 0.3157, 0.4371)$

Have a look what the booklet for
Yxy(70.7856, 0.3157, 0.4371)
contains.

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Color

Yxy(70.6629, 0.3163, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	A4ED96
RGB	164, 237, 150
RGB Percent	64%, 93%, 59%
CMY	0.3568, 0.0706, 0.4118
CMYK	0.31, 0.00, 0.37, 0.07
HSL	110°, 71%, 76%
HSV	110°, 37%, 93%
XYZ	51.0989, 70.6629, 39.7903
YIQ	205.2550, -15.5810, -42.5330

Conversions

Conversions Part 2

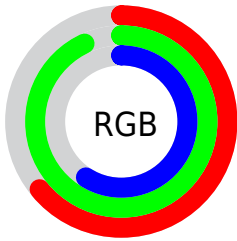
Format	Color
RYB	150, 237, 223
Decimal	10808726
CIELab	87.32, -38.79, 35.15
CIELCh	87, 52.344, 137.815
Yxy	70.6629, 0.3163, 0.4374
Android (android.graphics.Color)	4288998806 (0xFFA4ED96)
YUV	205.2550, -27.2407, -36.1806
Hunter-Lab	84.0612, -38.6010, 30.7780

Details

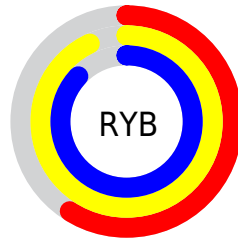
The Yxy color **70.6629, 0.3163, 0.4374** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.6044, 0.3047, 0.2347**, and the grayscale version is **61.4070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2999, 0.3202, 0.3816**, and **37.1808, 0.3144, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **68.0256, 0.3162, 0.4718**, and if you desaturate by 10%, it is **73.7912, 0.3158, 0.4043**.

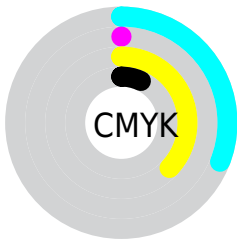
Distribution



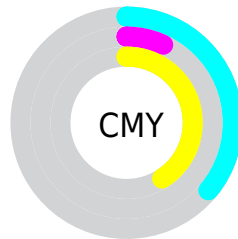
- Red (64%)
- Green (93%)
- Blue (59%)



- Red (59%)
- Yellow (93%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)





- Cyan (36%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6629, 0.3163, 0.4374 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 70.6629, 0.3163, 0.4374 by changing the saturation by 10% instead.


 70.6629, 0.3163,
0.4374


 70.6629, 0.3163,
0.4374


462.8742, 0.3165,
0.3841

 52.0671, 0.3157,
0.4503


 120.1536, 0.3168,
0.4183

 37.0586, 0.3147,
0.4665


 151.8174, 0.3168,
0.4111

 25.2529, 0.3128,
0.4875


188.6059, 0.3168,
0.4049

 16.2655, 0.3094,
0.5156

230.9036, 0.3168,
0.3996

 9.7123, 0.3029,
0.5548

279.0949, 0.3167,
0.3950

 5.2086, 0.2894,
0.6123

333.5641, 0.3166,

 2.3702, 0.2699,

0.3909

0.7301

394.6958, 0.3166,
0.3873

0.8105, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.6629, 0.3163,
0.4374

70.6629, 0.3163,
0.4374

68.0256, 0.3162,
0.4718

73.7912, 0.3158,
0.4043

65.8457, 0.3154,
0.5058

77.4243, 0.3149,
0.3736

64.0991, 0.3138,
0.5372

81.5868, 0.3136,
0.3459

62.7562, 0.3114,
0.5636

86.2988, 0.3122,
0.3213

■ 61.7831, 0.3084,
0.5828

■ 89.0510, 0.3135,
0.3117

■ 61.1399, 0.3051,
0.5941

■ 60.9871, 0.3042,
0.5967

Harmonies

Analogous

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



70.6629, 0.3771, 0.4428



70.6629, 0.3163, 0.4374



70.6629, 0.2577, 0.3910

Triad

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



70.6629, 0.3163, 0.4374



70.6629, 0.2097, 0.2379



70.6629, 0.4178, 0.3198

Complementary

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



70.6629, 0.3163, 0.4374



43.6044, 0.3047, 0.2347

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.



70.6629, 0.3637, 0.2761



70.6629, 0.3163, 0.4374



70.6629, 0.2436, 0.2305

Square

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



70.6629, 0.3163, 0.4374



70.6629, 0.2003, 0.2696



70.6629, 0.2985, 0.2445



70.6629, 0.4397, 0.3683

Rectangle

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



70.6629, 0.3163, 0.4374



70.6629, 0.2276, 0.3472



70.6629, 0.2985, 0.2445



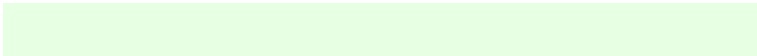
70.6629, 0.4025, 0.3043

Sweetspot

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



70.6659, 0.3163, 0.4374



94.1309, 0.3142, 0.3575



72.7153, 0.3730, 0.4068



20.0047, 0.3144, 0.3613



0.0000, 0.0000, 0.0000



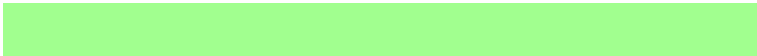
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6659, 0.3163, 0.4374



81.0628, 0.3163, 0.4630



70.3072, 0.2917, 0.4022



16.9788, 0.3140, 0.3532



33.3321, 0.3049, 0.5961



2.6524, 0.3128, 0.5899

Inverse Universe

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



43.6044, 0.3047, 0.2347



44.7940, 0.3024, 0.2159



44.3651, 0.3430, 0.2660



15.1837, 0.3112, 0.3056



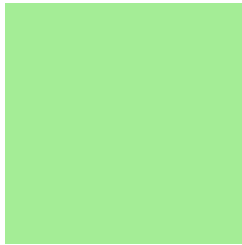
10.0001, 0.2805, 0.1319



0.8181, 0.2864, 0.1352

Previews

White Background



This preview shows how the Yxy color 70.6629, 0.3163, 0.4374 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 70.6629, 0.3163, 0.4374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

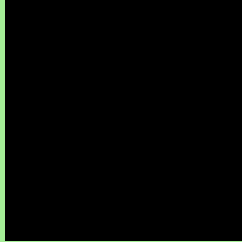
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6629, 0.3163, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 70.6629, 0.3163, 0.4374.



This preview shows how white text looks on a background with the Yxy color 70.6629, 0.3163, 0.4374.

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

70.6629, 0.3163, 0.4374

Protanopia

70.1003, 0.3801, 0.4107

Deuteranopia

70.0335, 0.3818, 0.3767



Tritanopia

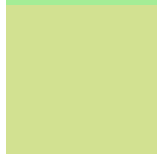
70.6277, 0.2724, 0.3085

Trichromacy



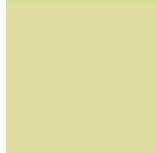
Original Color

70.6629, 0.3163, 0.4374



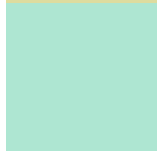
Protanomaly

69.5964, 0.3545, 0.4209



Deuteranomaly

69.2192, 0.3560, 0.3976



Tritanomaly

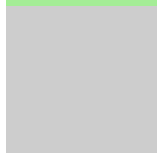
70.2454, 0.2882, 0.3527

Monochromacy



Original Color

70.6629, 0.3163, 0.4374



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.0756, 0.3145, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6629, 0.3163, 0.4374 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(164, 237, 150)` looks like.

```
.text, #text, p{  
    color:rgb(164, 237, 150)  
}
```

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(164, 237, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 237, 150) }
```

Border

The CSS property to change the border of an element to Yxy 70.6629, 0.3163, 0.4374 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(164, 237, 150) }
```

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

```
.border{ border-color:rgb(164, 237, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 237, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 237, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 237, 150);  
box-shadow:4px 4px 4px 4px rgb(164, 237,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6629, 0.3163, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 237, 150) }
```

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

```
.background{ background-color: rgb(164,  
237, 150) }
```

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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