

Converting Colors

Yxy(69.8086, 0.3332, 0.4591)

Have a look what the booklet for
Yxy(69.8086, 0.3332, 0.4591)
contains.

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Color

Yxy(69.7723, 0.3334, 0.4590)

Conversions

Conversions Part 1

Format	Color
Hex	ACEB81
RGB	172, 235, 129
RGB Percent	67%, 92%, 51%
CMY	0.3256, 0.0784, 0.4942
CMYK	0.27, 0.00, 0.45, 0.08
HSL	96°, 73%, 71%
HSV	96°, 45%, 92%
XYZ	50.6799, 69.7723, 31.5571
YIQ	204.0790, -3.5220, -46.3220

Conversions

Conversions Part 2

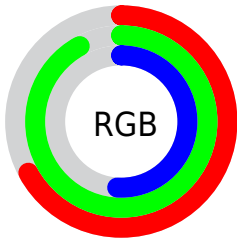
Format	Color
RYB	129, 235, 192
Decimal	11332481
CIELab	86.89, -38.02, 45.03
CIElCh	87, 58.937, 130.175
Yxy	69.7723, 0.3334, 0.4590
Android (android.graphics.Color)	4289522561 (0xFFACEB81)
YUV	204.0790, -37.0139, -28.1333
Hunter-Lab	83.5298, -37.8761, 36.0714

Details

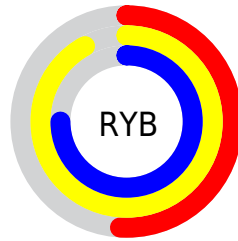
The Yxy color **69.7723, 0.3334, 0.4590** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.9013, 0.2785, 0.2055**, and the grayscale version is **60.6745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5969, 0.3380, 0.4041**, and **36.5579, 0.3345, 0.4932** is the 20% darker color. If you saturate the color by 10%, you get **67.7224, 0.3356, 0.4899**, and if you desaturate by 10%, it is **72.1381, 0.3299, 0.4276**.

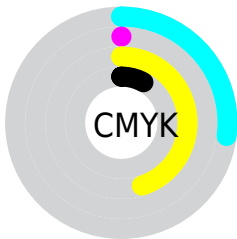
Distribution



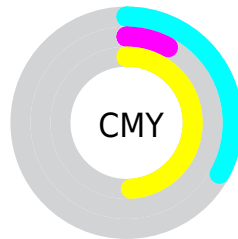
- Red (67%)
- Green (92%)
- Blue (51%)



- Red (51%)
- Yellow (92%)
- Blue (75%)



- Cyan (27%)
- Magenta (0%)
- Yellow (45%)
- Black (8%)




- Cyan (33%)
- Magenta (8%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7723, 0.3334, 0.4590 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 69.7723, 0.3334, 0.4590 by changing the saturation by 10% instead.


 69.7723, 0.3334,
0.4590


 69.7723, 0.3334,
0.4590


459.7501, 0.3265,
0.3953


 51.3409, 0.3341,
0.4742


 118.8840, 0.3317,
0.4363

 36.4800, 0.3344,
0.4931


 150.3331, 0.3308,
0.4277

 24.8051, 0.3339,
0.5173


 186.8902, 0.3300,
0.4203

 15.9319, 0.3316,
0.5490

228.9398, 0.3292,
0.4139

 9.4760, 0.3251,
0.5914

276.8661, 0.3284,
0.4084

 5.0529, 0.3187,
0.6691

331.0537, 0.3277,

 2.2784, 0.2714,

0.4035

0.7286

391.8869, 0.3271,
0.3992

0.7622, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.7723, 0.3334,
0.4590

69.7723, 0.3334,
0.4590

67.7224, 0.3356,
0.4899

72.1381, 0.3299,
0.4276

65.9642, 0.3361,
0.5187


74.8247, 0.3255,
0.3971


64.4842, 0.3347,
0.5437


77.8480, 0.3206,
0.3682

63.2635, 0.3314,
0.5632

81.2203, 0.3154,
0.3417

 62.2801, 0.3264,
0.5764

 84.9531, 0.3102,
0.3175

 61.8719, 0.3237,
0.5812

 87.9022, 0.3136,
0.3097

Harmonies

Analogous

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



69.7723, 0.3992, 0.4511



69.7723, 0.3334, 0.4590



69.7723, 0.2656, 0.4171

Triad

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



69.7723, 0.3334, 0.4590



69.7723, 0.1929, 0.2331



69.7723, 0.4187, 0.3046

Complementary

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



69.7723, 0.3334, 0.4590



32.9013, 0.2785, 0.2055

Split Complementary

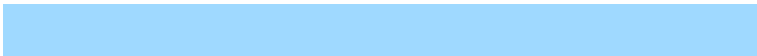
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.7723, 0.3512, 0.2595



69.7723, 0.3334, 0.4590



69.7723, 0.2233, 0.2191

Square

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



69.7723, 0.3334, 0.4590



69.7723, 0.1894, 0.2748



69.7723, 0.2788, 0.2292



69.7723, 0.4540, 0.3573

Rectangle

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



69.7723, 0.3334, 0.4590



69.7723, 0.2285, 0.3688



69.7723, 0.2788, 0.2292



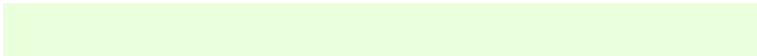
69.7723, 0.3986, 0.2884

Sweetspot

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



69.7753, 0.3334, 0.4590



94.1053, 0.3201, 0.3653



56.4360, 0.4004, 0.3977



19.9640, 0.3212, 0.3713



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.



69.7753, 0.3334, 0.4590



81.7125, 0.3355, 0.4873



65.9174, 0.3016, 0.4588



17.1603, 0.3177, 0.3529



34.5014, 0.3248, 0.5803



2.7640, 0.3357, 0.5717

Inverse Universe

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



32.9013, 0.2785, 0.2055



32.1756, 0.2691, 0.1803



38.8596, 0.3260, 0.2268



14.9915, 0.3073, 0.3053



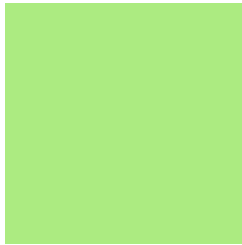
6.5027, 0.2221, 0.0997



0.5665, 0.2355, 0.1071

Previews

White Background



This preview shows how the Yxy color 69.7723, 0.3334, 0.4590 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 69.7723, 0.3334, 0.4590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

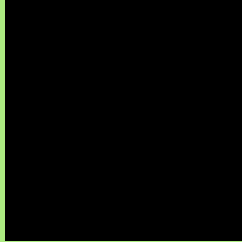
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7723, 0.3334, 0.4590

Background



This preview shows how black text looks on a background with the Yxy color 69.7723, 0.3334, 0.4590.

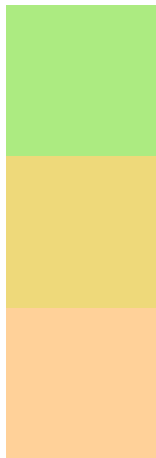


This preview shows how white text looks on a background with the Yxy color 69.7723, 0.3334, 0.4590.

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

69.7723, 0.3334, 0.4590

Protanopia

69.2080, 0.3944, 0.4293

Deuteranopia

69.1608, 0.3904, 0.3869



Tritanopia

69.3526, 0.2796, 0.3086

Trichromacy



Original Color

69.7723, 0.3334, 0.4590



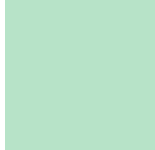
Protanomaly

69.0881, 0.3703, 0.4405



Deuteranomaly

68.1640, 0.3692, 0.4115



Tritanomaly

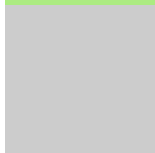
69.1756, 0.2998, 0.3611

Monochromacy



Original Color

69.7723, 0.3334, 0.4590



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.9817, 0.3215, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7723, 0.3334, 0.4590 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(172, 235, 129)` looks like.

```
.text, #text, p{  
    color:rgb(172, 235, 129)  
}
```

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(172, 235, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 129) }
```

Border

The CSS property to change the border of an element to Yxy 69.7723, 0.3334, 0.4590 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(172, 235, 129) }
```

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

```
.border{ border-color:rgb(172, 235, 129) }
```

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

Here you see how a box with a 4 pixel rgb(172, 235, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 235, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 235, 129);  
box-shadow:4px 4px 4px 4px rgb(172, 235,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7723, 0.3334, 0.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 235, 129) }
```

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

```
.background{ background-color: rgb(172,  
235, 129) }
```

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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