

Converting Colors

$Yxy(69.9594, 0.2818, 0.3703)$

Have a look what the booklet for
Yxy(69.9594, 0.2818, 0.3703)
contains.

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Color

Yxy(69.9327, 0.2817, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	9AEAC9
RGB	154, 234, 201
RGB Percent	60%, 92%, 79%
CMY	0.3962, 0.0823, 0.2118
CMYK	0.34, 0.00, 0.14, 0.08
HSL	155°, 66%, 76%
HSV	155°, 34%, 92%
XYZ	53.2866, 69.9327, 65.9414
YIQ	206.3180, -37.0870, -27.2230

Conversions

Conversions Part 2

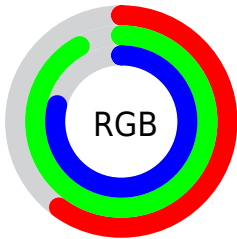
Format	Color
RYB	154, 204, 234
Decimal	10152649
CIELab	86.96, -31.53, 8.31
CIElCh	87, 32.603, 165.229
Yxy	69.9327, 0.2817, 0.3697
Android (android.graphics.Color)	4288342729 (0xFF9AEAC9)
YUV	206.3180, -2.6218, -45.8829
Hunter-Lab	83.6258, -32.6044, 11.7861

Details

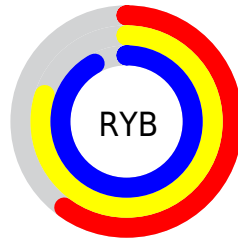
The Yxy color **69.9327, 0.2817, 0.3697** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.1838, 0.3599, 0.2920**, and the grayscale version is **61.9679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **36.6000, 0.2737, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **67.4192, 0.2744, 0.3841**, and if you desaturate by 10%, it is **72.9280, 0.2901, 0.3564**.

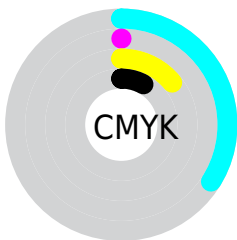
Distribution



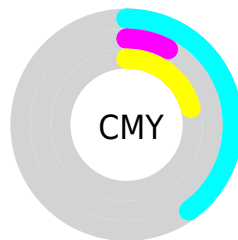
- Red (60%)
- Green (92%)
- Blue (79%)



- Red (60%)
- Yellow (80%)
- Blue (92%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (40%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9327, 0.2817, 0.3697 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 69.9327, 0.2817, 0.3697 by changing the saturation by 10% instead.

 69.9327, 0.2817,
0.3697

 69.9327, 0.2817,
0.3697

460.3137, 0.2964,
0.3502

 51.4717, 0.2783,
0.3743


 119.1128, 0.2869,
0.3628

 36.5841, 0.2739,
0.3802


 150.6006, 0.2889,
0.3601

 24.8857, 0.2684,
0.3877


187.1995, 0.2906,
0.3579

 15.9919, 0.2611,
0.3978

229.2939, 0.2920,
0.3559

 9.5184, 0.2508,
0.4121

277.2680, 0.2933,
0.3542

 5.0808, 0.2356,
0.4339

331.5065, 0.2945,

 2.2948, 0.2107,

0.3527

0.4705

392.3936, 0.2955,
0.3514

0.7709, 0.0000,
0.7491

0.0000, 0.0000,
0.0000

69.9327, 0.2817,
0.3697

69.9327, 0.2817,
0.3697

67.4192, 0.2744,
0.3841

72.9280, 0.2901,
0.3564

65.3523, 0.2684,
0.3993


76.4211, 0.2991,
0.3442

63.7055, 0.2640,
0.4152


80.4375, 0.3087,
0.3333


62.4458, 0.2616,
0.4315


84.9987, 0.3183,
0.3235

 61.5350, 0.2613,
0.4477

 86.9675, 0.3173,
0.3142

 60.9268, 0.2630,
0.4635

 87.3316, 0.3137,
0.3088

 60.6713, 0.2646,
0.4725

Harmonies

Analogous

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



69.9327, 0.3202, 0.3956



69.9327, 0.2817, 0.3697



69.9327, 0.2527, 0.3315

Triad

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



69.9327, 0.2817, 0.3697



69.9327, 0.2661, 0.2643



69.9327, 0.3919, 0.3544

Complementary

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



69.9327, 0.2817, 0.3697



44.1838, 0.3599, 0.2920

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.



69.9327, 0.3758, 0.3220



69.9327, 0.2817, 0.3697



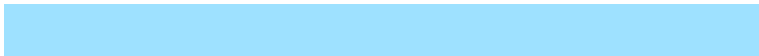
69.9327, 0.3012, 0.2721

Square

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



69.9327, 0.2817, 0.3697



69.9327, 0.2443, 0.2720



69.9327, 0.3418, 0.2927



69.9327, 0.3849, 0.3831

Rectangle

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



69.9327, 0.2817, 0.3697



69.9327, 0.2420, 0.3065



69.9327, 0.3418, 0.2927



69.9327, 0.3890, 0.3436

Sweetspot

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



69.9356, 0.2817, 0.3697



94.8212, 0.3031, 0.3395



71.7892, 0.3302, 0.4246



20.1512, 0.3017, 0.3411



0.0000, 0.0000, 0.0000



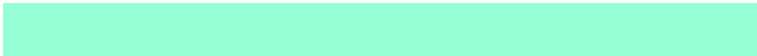
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9356, 0.2817, 0.3697



82.7936, 0.2764, 0.3796



67.9331, 0.2633, 0.3209



17.0106, 0.3036, 0.3389



34.1162, 0.2639, 0.4701



2.6980, 0.2579, 0.4484

Inverse Universe

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



44.1838, 0.3599, 0.2920



47.0929, 0.3738, 0.2843



45.1912, 0.3909, 0.3369



15.1571, 0.3228, 0.3193



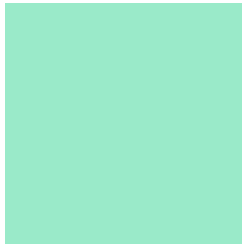
10.3336, 0.5323, 0.2706



0.8302, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 69.9327, 0.2817, 0.3697 looks on a white background.

Color Contrast Check

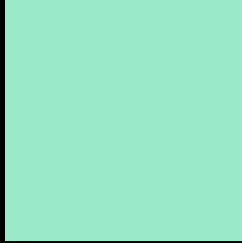
Large Text (above 18pt) WCAG AA × Fail

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 69.9327, 0.2817, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

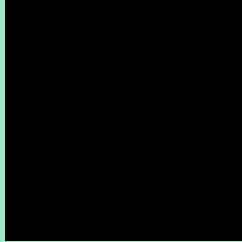
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

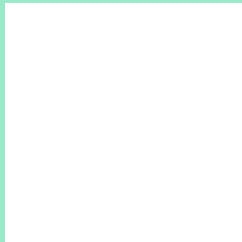
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9327, 0.2817, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 69.9327, 0.2817, 0.3697.



This preview shows how white text looks on a background with the Yxy color 69.9327, 0.2817, 0.3697.

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

69.9327, 0.2817, 0.3697

Protanopia

69.2484, 0.3376, 0.3555

Deuteranopia

68.9344, 0.3401, 0.3323



Tritanopia

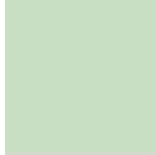
70.0331, 0.2626, 0.3081

Trichromacy



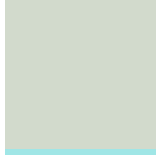
Original Color

69.9327, 0.2817, 0.3697



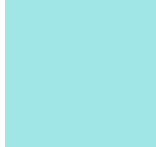
Protanomaly

68.9948, 0.3147, 0.3615



Deuteranomaly

68.2041, 0.3163, 0.3449



Tritanomaly

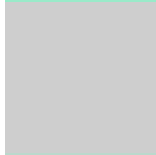
69.7804, 0.2690, 0.3289

Monochromacy



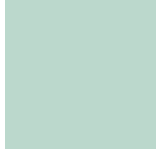
Original Color

69.9327, 0.2817, 0.3697



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.0362, 0.3000, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9327, 0.2817, 0.3697 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(154, 234, 201)` looks like.

```
.text, #text, p{  
    color:rgb(154, 234, 201)  
}
```

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(154, 234, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 234, 201) }
```

Border

The CSS property to change the border of an element to Yxy 69.9327, 0.2817, 0.3697 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(154, 234, 201) }
```

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

```
.border{ border-color:rgb(154, 234, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 234, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 234, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 234, 201);  
box-shadow:4px 4px 4px 4px rgb(154, 234,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9327, 0.2817, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 234, 201) }
```

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

```
.background{ background-color: rgb(154,  
234, 201) }
```

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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