

Converting Colors

$Yxy(66.0705, 0.3035, 0.4026)$

Have a look what the booklet for
Yxy(66.0705, 0.3035, 0.4026)
contains.

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Color

Yxy(65.9662, 0.3034, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	A1E4AA
RGB	161, 228, 170
RGB Percent	63%, 89%, 67%
CMY	0.3685, 0.1059, 0.3333
CMYK	0.29, 0.00, 0.25, 0.11
HSL	128°, 55%, 76%
HSV	128°, 29%, 89%
XYZ	49.6999, 65.9662, 48.1437
YIQ	201.3550, -21.3140, -32.2420

Conversions

Conversions Part 2

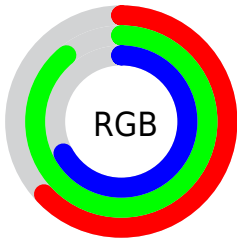
Format	Color
RYB	161, 220, 228
Decimal	10609834
CIELab	84.98, -32.44, 21.74
CIELCh	85, 39.046, 146.175
Yxy	65.9662, 0.3034, 0.4027
Android (android.graphics.Color)	4288799914 (0xFFA1E4AA)
YUV	201.3550, -15.4580, -35.3913
Hunter-Lab	81.2196, -32.9065, 21.7090

Details

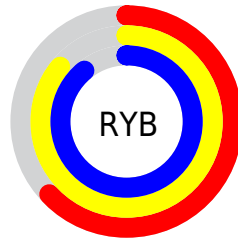
The Yxy color **65.9662, 0.3034, 0.4027** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.1063, 0.3237, 0.2650**, and the grayscale version is **58.7520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7080, 0.3063, 0.3603**, and **33.9389, 0.2994, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **63.1199, 0.3004, 0.4331**, and if you desaturate by 10%, it is **69.3622, 0.3066, 0.3748**.

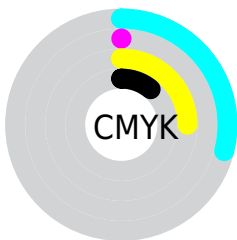
Distribution



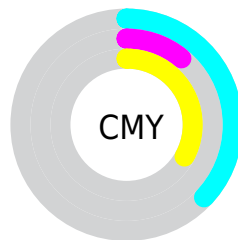
- Red (63%)
- Green (89%)
- Blue (67%)



- Red (63%)
- Yellow (86%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




- Cyan (37%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9662, 0.3034, 0.4027 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 65.9662, 0.3034, 0.4027 by changing the saturation by 10% instead.


 65.9662, 0.3034,
0.4027

 65.9662, 0.3034,
0.4027


446.2560, 0.3086,
0.3664

 48.2450, 0.3019,
0.4116


 113.4378, 0.3054,
0.3896

 34.0209, 0.3000,
0.4229


 143.9570, 0.3062,
0.3847

 22.9097, 0.2972,
0.4377


179.5109, 0.3068,
0.3805

 14.5268, 0.2932,
0.4579

220.4840, 0.3073,
0.3769

 8.4880, 0.2867,
0.4871

267.2607, 0.3077,
0.3737

 4.4088, 0.2753,
0.5323

320.2253, 0.3080,

 1.9047, 0.2636,

0.3710

0.6402

379.7623, 0.3084,
0.3685

0.5512, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.9662, 0.3034,
0.4027

65.9662, 0.3034,
0.4027

63.1199, 0.3004,
0.4331

69.3622, 0.3066,
0.3748

60.7865, 0.2979,
0.4651

73.3259, 0.3098,
0.3498

58.9376, 0.2960,
0.4973

77.8847, 0.3129,
0.3277

57.5387, 0.2949,
0.5279

83.0619, 0.3159,
0.3085

■ 56.5509, 0.2949,
0.5547

■ 83.9675, 0.3139,
0.3029

■ 55.9282, 0.2958,
0.5757

■ 55.5998, 0.2974,
0.5901

■ 55.5842, 0.2974,
0.5908

Harmonies

Analogous

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



65.9662, 0.3513, 0.4172



65.9662, 0.3034, 0.4027



65.9662, 0.2601, 0.3626

Triad

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



65.9662, 0.3034, 0.4027



65.9662, 0.2376, 0.2545



65.9662, 0.4003, 0.3338

Complementary

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



65.9662, 0.3034, 0.4027



47.1063, 0.3237, 0.2650

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.



65.9662, 0.3650, 0.2969



65.9662, 0.3034, 0.4027



65.9662, 0.2700, 0.2528

Square

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



65.9662, 0.3034, 0.4027



65.9662, 0.2244, 0.2753



65.9662, 0.3162, 0.2682



65.9662, 0.4095, 0.3722

Rectangle

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



65.9662, 0.3034, 0.4027



65.9662, 0.2393, 0.3299



65.9662, 0.3162, 0.2682



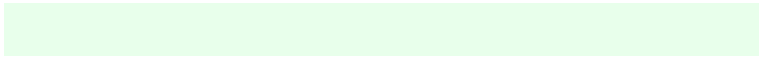
65.9662, 0.3910, 0.3210

Sweetspot

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



65.9690, 0.3034, 0.4027



94.6897, 0.3099, 0.3490



73.1324, 0.3503, 0.4039



20.0965, 0.3094, 0.3525



0.0000, 0.0000, 0.0000



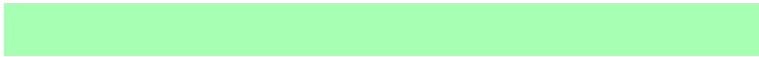
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9690, 0.3034, 0.4027



82.8031, 0.3016, 0.4202



67.3995, 0.2839, 0.3592



16.1205, 0.3097, 0.3500



32.1058, 0.2970, 0.5892



2.3826, 0.2911, 0.5679

Inverse Universe

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



47.1063, 0.3237, 0.2650



54.9146, 0.3263, 0.2524



45.5182, 0.3541, 0.3009



14.5802, 0.3158, 0.3089



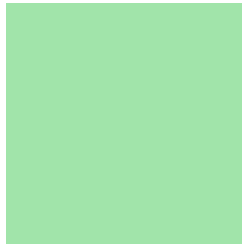
11.8761, 0.3579, 0.1745



0.8869, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 65.9662, 0.3034, 0.4027 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 65.9662, 0.3034, 0.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

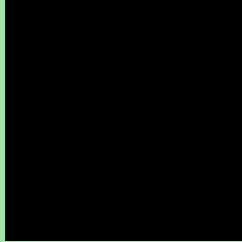
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9662, 0.3034, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 65.9662, 0.3034, 0.4027.



This preview shows how white text looks on a background with the Yxy color 65.9662, 0.3034, 0.4027.

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

65.9662, 0.3034, 0.4027

Protanopia

65.3659, 0.3596, 0.3842

Deuteranopia

65.0401, 0.3668, 0.3592



Tritanopia

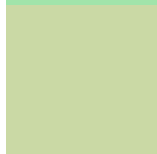
65.7761, 0.2719, 0.3079

Trichromacy



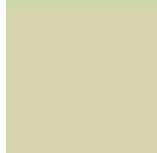
Original Color

65.9662, 0.3034, 0.4027



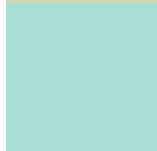
Protanomaly

64.8989, 0.3370, 0.3909



Deuteranomaly

64.4002, 0.3418, 0.3742



Tritanomaly

65.4817, 0.2828, 0.3398

Monochromacy



Original Color

65.9662, 0.3034, 0.4027



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.7453, 0.3086, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9662, 0.3034, 0.4027 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(161, 228, 170)` looks like.

```
.text, #text, p{  
    color:rgb(161, 228, 170)  
}
```

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(161, 228, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 228, 170) }
```

Border

The CSS property to change the border of an element to Yxy 65.9662, 0.3034, 0.4027 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(161, 228, 170) }
```

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

```
.border{ border-color:rgb(161, 228, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 228, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 228, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 228, 170);  
box-shadow:4px 4px 4px 4px rgb(161, 228,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9662, 0.3034, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 228, 170) }
```

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

```
.background{ background-color: rgb(161,  
228, 170) }
```

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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