

Converting Colors

$Yxy(65.2657, 0.3031, 0.4207)$

Have a look what the booklet for
Yxy(65.2657, 0.3031, 0.4207)
contains.

| | |
|---|----|
| Yxy(65.0259, 0.3028, 0.4202) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(65.0259, 0.3028, 0.4202)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 96E59F |
| RGB | 150, 229, 159 |
| RGB Percent | 59%, 90%, 62% |
| CMY | 0.4116, 0.1020, 0.3766 |
| CMYK | 0.34, 0.00, 0.31, 0.10 |
| HSL | 127°, 60%, 74% |
| HSV | 127°, 34%, 90% |
| XYZ | 46.8583, 65.0259, 42.8657 |
| YIQ | 197.3990, -24.6140, -38.5180 |

Conversions

Conversions Part 2

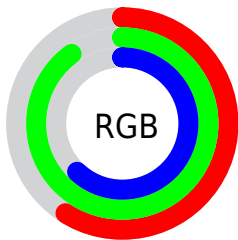
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 150, 221, 229 |
| Decimal | 9889183 |
| CIELab | 84.50, -38.19, 26.69 |
| CIELCh | 84, 46.589, 145.050 |
| Yxy | 65.0259, 0.3028, 0.4202 |
| Android (android.graphics.Color) | 4288079263 (0xFF96E59F) |
| YUV | 197.3990, -18.9307, -41.5689 |
| Hunter-Lab | 80.6386, -37.3931, 24.9298 |

Details

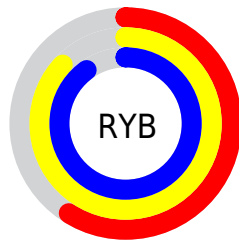
The Yxy color **65.0259, 0.3028, 0.4202** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.6560, 0.3245, 0.2523**, and the grayscale version is **56.2216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4969, 0.3058, 0.3731**, and **33.4355, 0.2988, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **62.4155, 0.3002, 0.4523**, and if you desaturate by 10%, it is **68.1822, 0.3056, 0.3902**.

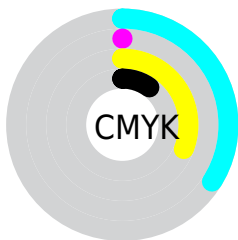
Distribution



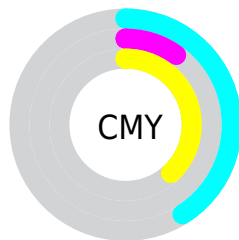
- Red (59%)
- Green (90%)
- Blue (62%)



- Red (59%)
- Yellow (87%)
- Blue (90%)



- Cyan (34%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (41%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0259, 0.3028, 0.4202 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 65.0259, 0.3028, 0.4202 by changing the saturation by 10% instead.


 65.0259, 0.3028,
0.4202

 65.0259, 0.3028,
0.4202


442.8850, 0.3088,
0.3748

 47.4821, 0.3010,
0.4314


 112.0871, 0.3052,
0.4038

 33.4169, 0.2986,
0.4457


 142.3733, 0.3060,
0.3976

 22.4460, 0.2951,
0.4645


177.6757, 0.3067,
0.3923

 14.1850, 0.2898,
0.4903

218.3787, 0.3073,
0.3878

 8.2494, 0.2810,
0.5274

264.8668, 0.3077,
0.3839

 4.2550, 0.2650,
0.5848

317.5242, 0.3081,

 1.8172, 0.2461,

0.3805

0.7539

376.7355, 0.3085,
0.3775

0.4979, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.0259, 0.3028,
0.4202

65.0259, 0.3028,
0.4202

62.4155, 0.3002,
0.4523

68.1822, 0.3056,
0.3902

60.3122, 0.2981,
0.4852

71.9042, 0.3086,
0.3630

58.6854, 0.2966,
0.5173

76.2209, 0.3115,
0.3388

57.4973, 0.2960,
0.5462

81.1567, 0.3142,
0.3177

■ 56.7048, 0.2963,
0.5699

■ 84.5185, 0.3139,
0.3039

■ 56.2555, 0.2974,
0.5867

■ 56.1125, 0.2980,
0.5930

Harmonies

Analogous

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



65.0259, 0.3597, 0.4352



65.0259, 0.3028, 0.4202



65.0259, 0.2514, 0.3716

Triad

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



65.0259, 0.3028, 0.4202



65.0259, 0.2231, 0.2413



65.0259, 0.4168, 0.3318

Complementary

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



65.0259, 0.3028, 0.4202



43.6560, 0.3245, 0.2523

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.



65.0259, 0.3732, 0.2893



65.0259, 0.3028, 0.4202



65.0259, 0.2599, 0.2392

Square

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



65.0259, 0.3028, 0.4202



65.0259, 0.2086, 0.2656



65.0259, 0.3142, 0.2565



65.0259, 0.4286, 0.3769

Rectangle

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



65.0259, 0.3028, 0.4202



65.0259, 0.2267, 0.3314



65.0259, 0.3142, 0.2565



65.0259, 0.4052, 0.3170

Sweetspot

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



65.0286, 0.3028, 0.4202



94.1083, 0.3099, 0.3520



73.6304, 0.3586, 0.4166



19.9794, 0.3095, 0.3554



0.0000, 0.0000, 0.0000



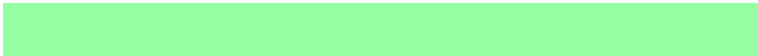
21.4041, 0.3127, 0.3290

Same Dimension

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



65.0286, 0.3028, 0.4202



80.6648, 0.3010, 0.4417



66.5770, 0.2810, 0.3687



16.1155, 0.3100, 0.3505



32.0912, 0.2976, 0.5915



2.3803, 0.2924, 0.5727

Inverse Universe

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



43.6560, 0.3245, 0.2523



49.6989, 0.3273, 0.2377



41.8466, 0.3613, 0.2929



14.5857, 0.3155, 0.3084



12.0042, 0.3515, 0.1710



0.8951, 0.3465, 0.1682

Previews

White Background



This preview shows how the Yxy color 65.0259, 0.3028, 0.4202 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 65.0259, 0.3028, 0.4202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

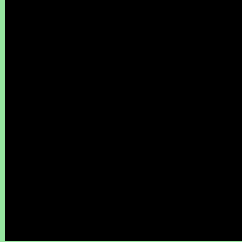
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0259, 0.3028, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 65.0259, 0.3028, 0.4202.

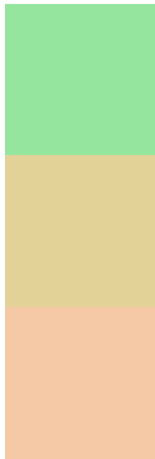


This preview shows how white text looks on a background with the Yxy color 65.0259, 0.3028, 0.4202.

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

65.0259, 0.3028, 0.4202

Protanopia

64.4963, 0.3679, 0.3955

Deuteranopia

63.9024, 0.3761, 0.3678



Tritanopia

64.7768, 0.2666, 0.3076

Trichromacy



Original Color

65.0259, 0.3028, 0.4202



Protanomaly

63.9646, 0.3414, 0.4049



Deuteranomaly

62.9345, 0.3460, 0.3855



Tritanomaly

64.8524, 0.2797, 0.3462

Monochromacy



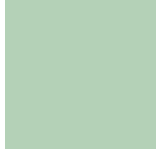
Original Color

65.0259, 0.3028, 0.4202



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.7231, 0.3090, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0259, 0.3028, 0.4202 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(150, 229, 159)` looks like.

```
.text, #text, p{  
    color:rgb(150, 229, 159)  
}
```

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(150, 229, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 229, 159) }
```

Border

The CSS property to change the border of an element to Yxy 65.0259, 0.3028, 0.4202 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(150, 229, 159) }
```

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

```
.border{ border-color:rgb(150, 229, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 229, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 229, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 229, 159); box-shadow:4px 4px 4px 4px rgb(150, 229, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0259, 0.3028, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 229, 159) }
```

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

```
.background{ background-color: rgb(150,  
229, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor