

# Converting Colors

$Yxy(60.0314, 0.2994, 0.4227)$

Have a look what the booklet for  
Yxy(60.0314, 0.2994, 0.4227)  
contains.

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# Color

**Yxy(60.0314, 0.2994, 0.4227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BDE99
RGB	139, 222, 153
RGB Percent	55%, 87%, 60%
CMY	0.4548, 0.1294, 0.4001
CMYK	0.37, 0.00, 0.31, 0.13
HSL	130°, 56%, 71%
HSV	130°, 37%, 87%
XYZ	42.5205, 60.0314, 39.4671
YIQ	189.3170, -27.3190, -39.0550

# Conversions

## Conversions Part 2

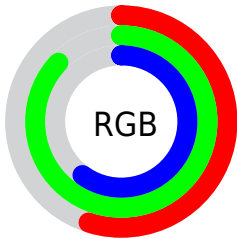
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 210, 222
Decimal	9166489
CIELab	81.86, -39.39, 26.12
CIELCh	82, 47.257, 146.453
Yxy	60.0314, 0.2994, 0.4227
Android (android.graphics.Color)	4287356569 (0xFF8BDE99)
YUV	189.3170, -17.9043, -44.1280
Hunter-Lab	77.4799, -37.6303, 24.0346

# Details

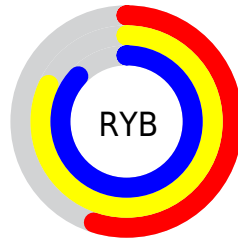
The Yxy color **60.0314, 0.2994, 0.4227** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.5633, 0.3300, 0.2507**, and the grayscale version is **51.2002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6762, 0.3025, 0.3808**, and **30.0968, 0.2939, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **57.7486, 0.2965, 0.4532**, and if you desaturate by 10%, it is **62.8017, 0.3028, 0.3940**.

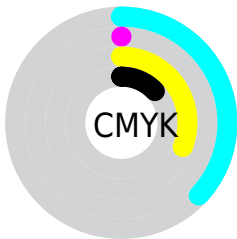
# Distribution



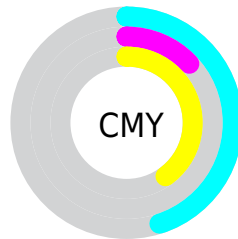
- Red (55%)
- Green (87%)
- Blue (60%)



- Red (55%)
- Yellow (82%)
- Blue (87%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)




- Cyan (45%)
- Magenta (13%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0314, 0.2994, 0.4227 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 60.0314, 0.2994, 0.4227 by changing the saturation by 10% instead.





 60.0314, 0.2994,  
0.4227

 60.0314, 0.2994,  
0.4227


424.7135, 0.3072,  
0.3753


 43.4439, 0.2971,  
0.4346


 104.8752, 0.3025,  
0.4054

 30.2336, 0.2941,  
0.4499


 133.9004, 0.3035,  
0.3989

 20.0160, 0.2897,  
0.4703

 167.8402, 0.3044,  
0.3934

 12.4066, 0.2830,  
0.4986

207.0791, 0.3052,  
0.3888

 7.0213, 0.2719,  
0.5402

252.0015, 0.3058,  
0.3847

 3.4754, 0.2519,  
0.6069

302.9918, 0.3063,

 1.3847, 0.1712,

0.3812

0.8288

360.4343, 0.3068,  
0.3781

■ 0.2054, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.0314, 0.2994,  
0.4227

■ 60.0314, 0.2994,  
0.4227

■ 57.7486, 0.2965,  
0.4532

■ 62.8017, 0.3028,  
0.3940

■ 55.9179, 0.2942,  
0.4845


■ 66.0778, 0.3064,  
0.3678


■ 54.5108, 0.2930,  
0.5150

■ 69.8860, 0.3101,  
0.3445

■ 53.4927, 0.2928,  
0.5427

■ 74.2486, 0.3136,  
0.3238

 52.8230, 0.2938,  
0.5658

 79.1867, 0.3171,  
0.3059

 52.4487, 0.2958,  
0.5828

 80.7230, 0.3142,  
0.2970

 52.3783, 0.2962,  
0.5864

# Harmonies

## Analogous

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



60.0314, 0.3586, 0.4399



60.0314, 0.2994, 0.4227



60.0314, 0.2467, 0.3705

# Triad

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



60.0314, 0.2994, 0.4227



60.0314, 0.2210, 0.2374



60.0314, 0.4226, 0.3338

# Complementary

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



60.0314, 0.2994, 0.4227



38.5633, 0.3300, 0.2507

# 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.



60.0314, 0.3783, 0.2896



60.0314, 0.2994, 0.4227



60.0314, 0.2600, 0.2364

# Square

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



60.0314, 0.2994, 0.4227



60.0314, 0.2050, 0.2612



60.0314, 0.3170, 0.2552



60.0314, 0.4330, 0.3804



# Rectangle

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



60.0314, 0.2994, 0.4227



60.0314, 0.2220, 0.3284



60.0314, 0.3170, 0.2552



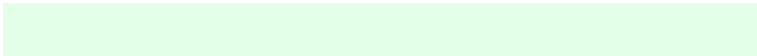
60.0314, 0.4110, 0.3184

# Sweetspot

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



60.0339, 0.2994, 0.4227



93.6496, 0.3087, 0.3528



67.5432, 0.3578, 0.4251



19.8911, 0.3082, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

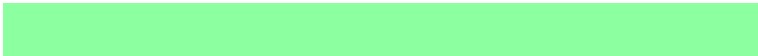


# Same Dimension

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



60.0339, 0.2994, 0.4227



79.6383, 0.2970, 0.4470



61.6458, 0.2756, 0.3650



15.3746, 0.3093, 0.3491



31.1225, 0.2957, 0.5846



2.1687, 0.2885, 0.5587



# Inverse Universe

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



38.5633, 0.3300, 0.2507



46.1301, 0.3347, 0.2348



36.7843, 0.3730, 0.2963



13.8941, 0.3163, 0.3097



11.3124, 0.3683, 0.1803

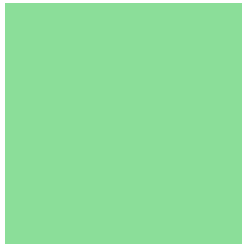


0.7947, 0.3598, 0.1756



# Previews

## White Background



This preview shows how the Yxy color 60.0314, 0.2994, 0.4227 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 60.0314, 0.2994, 0.4227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

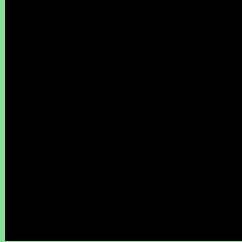
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.0314, 0.2994, 0.4227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0314, 0.2994, 0.4227.



This preview shows how white text looks on a background with the Yxy color 60.0314, 0.2994, 0.4227.

# 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

60.0314, 0.2994, 0.4227

### Protanopia

59.1601, 0.3693, 0.3967

### Deuteranopia

59.0913, 0.3766, 0.3680



## Tritanopia

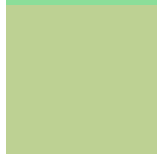
59.7127, 0.2641, 0.3080

# Trichromacy



## Original Color

60.0314, 0.2994, 0.4227



## Protanomaly

58.5263, 0.3409, 0.4067



## Deuteranomaly

58.0376, 0.3447, 0.3865



## Tritanomaly

59.7183, 0.2769, 0.3482

# Monochromacy



## Original Color

60.0314, 0.2994, 0.4227



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.5658, 0.3073, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0314, 0.2994, 0.4227 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(139, 222, 153)` looks like.

```
.text, #text, p{  
    color:rgb(139, 222, 153)  
}
```

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(139, 222, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 222, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0314, 0.2994, 0.4227 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(139, 222, 153) }
```

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

```
.border{ border-color:rgb(139, 222, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 222, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 222, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 222, 153);  
box-shadow:4px 4px 4px 4px rgb(139, 222,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0314, 0.2994, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 222, 153) }
```

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

```
.background{ background-color: rgb(139,  
222, 153) }
```

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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