

Converting Colors

Yxy(63.3292, 0.2837, 0.4024)

Have a look what the booklet for
Yxy(63.3292, 0.2837, 0.4024)
contains.

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Color

Yxy(63.3292, 0.2837, 0.4024)

Conversions

Conversions Part 1

Format	Color
Hex	83E4AD
RGB	131, 228, 173
RGB Percent	51%, 89%, 68%
CMY	0.4862, 0.1059, 0.3216
CMYK	0.43, 0.00, 0.24, 0.11
HSL	146°, 64%, 70%
HSV	146°, 43%, 89%
XYZ	44.6483, 63.3292, 49.4012
YIQ	192.7270, -40.1570, -37.6690

Conversions

Conversions Part 2

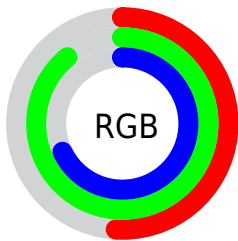
Format	Color
RYB	131, 199, 228
Decimal	8643757
CIELab	83.62, -40.70, 18.07
CIELCh	84, 44.527, 156.059
Yxy	63.3292, 0.2837, 0.4024
Android (android.graphics.Color)	4286833837 (0xFF83E4AD)
YUV	192.7270, -9.7254, -54.1346
Hunter-Lab	79.5796, -39.1165, 18.8999

Details

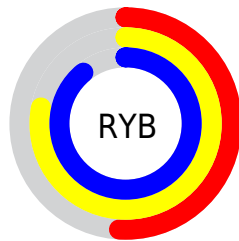
The Yxy color **63.3292, 0.2837, 0.4024** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.2804, 0.3597, 0.2665**, and the grayscale version is **53.2398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8685, 0.2873, 0.3574**, and **32.3570, 0.2758, 0.4240** is the 20% darker color. If you saturate the color by 10%, you get **61.2301, 0.2789, 0.4237**, and if you desaturate by 10%, it is **65.8826, 0.2896, 0.3824**.

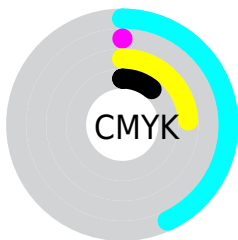
Distribution



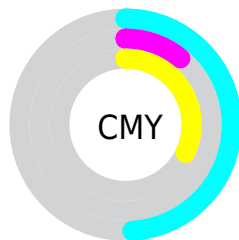
- Red (51%)
- Green (89%)
- Blue (68%)



- Red (51%)
- Yellow (78%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3292, 0.2837, 0.4024 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 63.3292, 0.2837, 0.4024 by changing the saturation by 10% instead.

 63.3292, 0.2837,
0.4024


 63.3292, 0.2837,
0.4024


436.7632, 0.2983,
0.3658


 46.1076, 0.2800,
0.4115


 109.6443, 0.2890,
0.3892

 32.3307, 0.2753,
0.4230


 139.5066, 0.2910,
0.3842

 21.6142, 0.2691,
0.4384


 174.3512, 0.2927,
0.3799

 13.5737, 0.2604,
0.4595

214.5626, 0.2941,
0.3763

 7.8248, 0.2475,
0.4905

260.5250, 0.2954,
0.3732

 3.9830, 0.2266,
0.5396

312.6231, 0.2965,

 1.6641, 0.1770,

0.3704

0.6707

371.2410, 0.2975,
0.3680

0.4002, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.3292, 0.2837,
0.4024

63.3292, 0.2837,
0.4024

61.2301, 0.2789,
0.4237

65.8826, 0.2896,
0.3824

59.5494, 0.2756,
0.4458

68.9078, 0.2963,
0.3640

58.2587, 0.2740,
0.4682


72.4311, 0.3034,
0.3474


57.3221, 0.2743,
0.4902

76.4742, 0.3108,
0.3325

 56.6967, 0.2766,
0.5108

 81.0578, 0.3182,
0.3193

 56.3821, 0.2792,
0.5250

 83.6869, 0.3168,
0.3070

 83.9676, 0.3139,
0.3029

Harmonies

Analogous

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



63.3292, 0.3385, 0.4302



63.3292, 0.2837, 0.4024



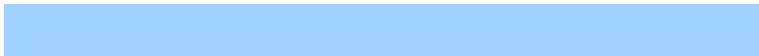
63.3292, 0.2392, 0.3489

Triad

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



63.3292, 0.2837, 0.4024



63.3292, 0.2367, 0.2410



63.3292, 0.4213, 0.3481

Complementary

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



63.3292, 0.2837, 0.4024



36.2804, 0.3597, 0.2665

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.



63.3292, 0.3893, 0.3051



63.3292, 0.2837, 0.4024



63.3292, 0.2795, 0.2462

Square

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



63.3292, 0.2837, 0.4024



63.3292, 0.2144, 0.2567



63.3292, 0.3355, 0.2690



63.3292, 0.4203, 0.3907

Rectangle

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



63.3292, 0.2837, 0.4024



63.3292, 0.2206, 0.3112



63.3292, 0.3355, 0.2690



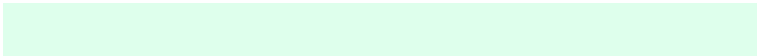
63.3292, 0.4140, 0.3334

Sweetspot

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



63.3318, 0.2837, 0.4024



93.0934, 0.3030, 0.3483



67.7670, 0.3452, 0.4457



19.6995, 0.3014, 0.3518



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.



63.3318, 0.2837, 0.4024



79.2219, 0.2794, 0.4210



65.4780, 0.2589, 0.3390



16.1922, 0.3057, 0.3426



32.5795, 0.2784, 0.5222



2.4259, 0.2704, 0.4935

Inverse Universe

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



36.2804, 0.3597, 0.2665



40.0251, 0.3740, 0.2544



34.6010, 0.4140, 0.3199



14.5043, 0.3204, 0.3157



10.4688, 0.4671, 0.2347



0.7922, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 63.3292, 0.2837, 0.4024 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 63.3292, 0.2837, 0.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

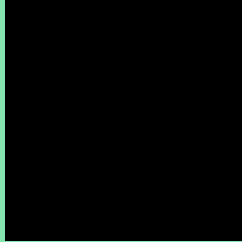
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3292, 0.2837, 0.4024

Background



This preview shows how black text looks on a background with the Yxy color 63.3292, 0.2837, 0.4024.

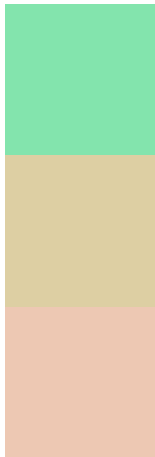


This preview shows how white text looks on a background with the Yxy color 63.3292, 0.2837, 0.4024.

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

63.3292, 0.2837, 0.4024

Protanopia

62.6421, 0.3560, 0.3796

Deuteranopia

62.5678, 0.3587, 0.3522



Tritanopia

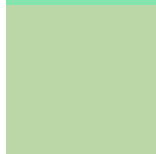
62.8885, 0.2561, 0.3070

Trichromacy



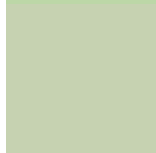
Original Color

63.3292, 0.2837, 0.4024



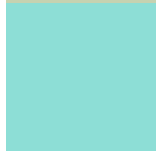
Protanomaly

62.0823, 0.3253, 0.3883



Deuteranomaly

61.2733, 0.3267, 0.3689



Tritanomaly

62.7603, 0.2660, 0.3390

Monochromacy



Original Color

63.3292, 0.2837, 0.4024



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.2338, 0.2997, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3292, 0.2837, 0.4024 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(131, 228, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 228, 173)  
}
```

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(131, 228, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 228, 173) }
```

Border

The CSS property to change the border of an element to Yxy 63.3292, 0.2837, 0.4024 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(131, 228, 173) }
```

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

```
.border{ border-color:rgb(131, 228, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 228, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 228, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 228, 173); box-shadow:4px 4px 4px 4px rgb(131, 228, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3292, 0.2837, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 228, 173) }
```

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

```
.background{ background-color: rgb(131,  
228, 173) }
```

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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