

Converting Colors

$Yxy(66.3744, 0.3151, 0.3956)$

Have a look what the booklet for
Yxy(66.3744, 0.3151, 0.3956)
contains.

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Color

Yxy(66.3744, 0.3151, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	B3E1AB
RGB	179, 225, 171
RGB Percent	70%, 88%, 67%
CMY	0.2979, 0.1176, 0.3295
CMYK	0.20, 0.00, 0.24, 0.12
HSL	111°, 47%, 78%
HSV	111°, 24%, 88%
XYZ	52.8680, 66.3744, 48.5392
YIQ	205.0900, -10.0820, -26.5460

Conversions

Conversions Part 2

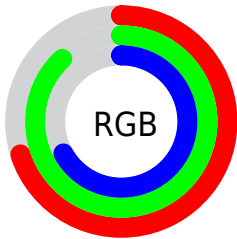
Format	Color
RYB	171, 225, 217
Decimal	11788715
CIELab	85.19, -24.95, 21.68
CIELCh	85, 33.051, 139.014
Yxy	66.3744, 0.3151, 0.3956
Android (android.graphics.Color)	4289978795 (0xFFB3E1AB)
YUV	205.0900, -16.8064, -22.8809
Hunter-Lab	81.4705, -26.7408, 21.7050

Details

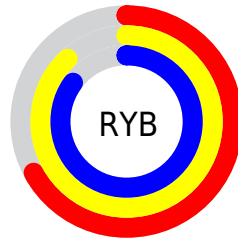
The Yxy color **66.3744, 0.3151, 0.3956** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.2968, 0.3087, 0.2682**, and the grayscale version is **61.2272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7282, 0.3164, 0.3573**, and **34.4413, 0.3140, 0.4133** is the 20% darker color. If you saturate the color by 10%, you get **63.4654, 0.3156, 0.4281**, and if you desaturate by 10%, it is **69.7520, 0.3143, 0.3657**.

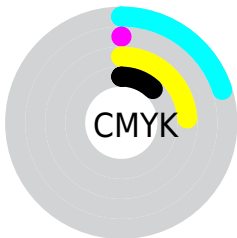
Distribution



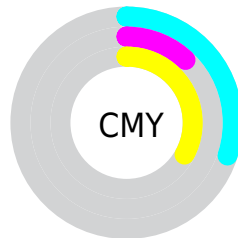
- Red (70%)
- Green (88%)
- Blue (67%)



- Red (67%)
- Yellow (88%)
- Blue (85%)



- Cyan (20%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)



- Cyan (30%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3744, 0.3151, 0.3956 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 66.3744, 0.3151, 0.3956 by changing the saturation by 10% instead.


 66.3744, 0.3151,
0.3956

 66.3744, 0.3151,
0.3956


447.7147, 0.3147,
0.3630

 48.5764, 0.3150,
0.4035

 114.0235, 0.3151,
0.3839

 34.2836, 0.3148,
0.4135


144.6434, 0.3150,
0.3795

 23.1115, 0.3143,
0.4265

180.3061, 0.3150,
0.3757

 14.6759, 0.3133,
0.4441

221.3959, 0.3149,
0.3725

 8.5922, 0.3112,
0.4694

268.2973, 0.3149,
0.3697

 4.4762, 0.3065,
0.5080

321.3946, 0.3148,

 1.9433, 0.3064,

0.3672

0.5968

381.0723, 0.3147,
0.3650

0.5742, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.3744, 0.3151,
0.3956

66.3744, 0.3151,
0.3956

63.4654, 0.3156,
0.4281

69.7520, 0.3143,
0.3657

60.9960, 0.3155,
0.4623

73.6087, 0.3132,
0.3389

58.9472, 0.3148,
0.4967

77.9655, 0.3120,
0.3152

57.2952, 0.3134,
0.5291

82.3315, 0.3141,
0.2999

■ 56.0137, 0.3113,
0.5571

■ 55.0732, 0.3085,
0.5786

■ 54.4394, 0.3054,
0.5921

■ 54.1835, 0.3038,
0.5970

Harmonies

Analogous

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



66.3744, 0.3550, 0.4026



66.3744, 0.3151, 0.3956



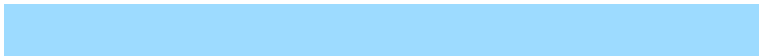
66.3744, 0.2762, 0.3665

Triad

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



66.3744, 0.3151, 0.3956



66.3744, 0.2442, 0.2684



66.3744, 0.3811, 0.3258

Complementary

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



66.3744, 0.3151, 0.3956



49.2968, 0.3087, 0.2682

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.



66.3744, 0.3477, 0.2950



66.3744, 0.3151, 0.3956



66.3744, 0.2686, 0.2626

Square

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



66.3744, 0.3151, 0.3956



66.3744, 0.2370, 0.2906



66.3744, 0.3060, 0.2725



66.3744, 0.3948, 0.3591

Rectangle

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



66.3744, 0.3151, 0.3956



66.3744, 0.2559, 0.3400



66.3744, 0.3060, 0.2725



66.3744, 0.3717, 0.3150

Sweetspot

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



66.3772, 0.3151, 0.3956



96.1351, 0.3135, 0.3467



68.5202, 0.3508, 0.3804



20.5088, 0.3136, 0.3483



0.0000, 0.0000, 0.0000



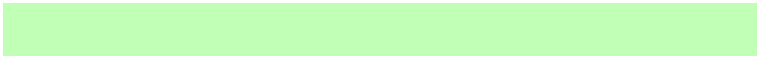
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3772, 0.3151, 0.3956



86.0735, 0.3154, 0.4122



66.2191, 0.2980, 0.3723



15.4347, 0.3138, 0.3531



31.2535, 0.3044, 0.5965



2.1975, 0.3129, 0.5898

Inverse Universe

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



49.2968, 0.3087, 0.2682



59.5181, 0.3076, 0.2547



49.5846, 0.3312, 0.2893



13.8268, 0.3114, 0.3057



9.5917, 0.2837, 0.1336



0.6933, 0.2897, 0.1370

Previews

White Background



This preview shows how the Yxy color 66.3744, 0.3151, 0.3956 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 66.3744, 0.3151, 0.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

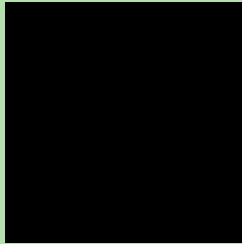
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

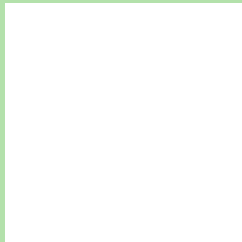
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3744, 0.3151, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 66.3744, 0.3151, 0.3956.



This preview shows how white text looks on a background with the Yxy color 66.3744, 0.3151, 0.3956.

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

66.3744, 0.3151, 0.3956

Protanopia

65.9723, 0.3572, 0.3819

Deuteranopia

65.8737, 0.3681, 0.3601



Tritanopia

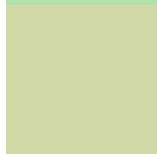
66.3850, 0.2828, 0.3095

Trichromacy



Original Color

66.3744, 0.3151, 0.3956



Protanomaly

65.9710, 0.3411, 0.3874



Deuteranomaly

65.6726, 0.3474, 0.3721



Tritanomaly

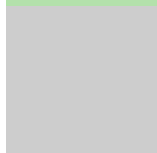
66.2038, 0.2942, 0.3396

Monochromacy



Original Color

66.3744, 0.3151, 0.3956



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.6730, 0.3139, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3744, 0.3151, 0.3956 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(179, 225, 171)` looks like.

```
.text, #text, p{  
    color:rgb(179, 225, 171)  
}
```

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(179, 225, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 225, 171) }
```

Border

The CSS property to change the border of an element to Yxy 66.3744, 0.3151, 0.3956 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(179, 225, 171) }
```

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

```
.border{ border-color:rgb(179, 225, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 225, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 225, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 225, 171);  
box-shadow:4px 4px 4px 4px rgb(179, 225,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3744, 0.3151, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 225, 171) }
```

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

```
.background{ background-color: rgb(179,  
225, 171) }
```

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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