

Converting Colors

Yxy(64.1302, 0.3240, 0.4488)

Have a look what the booklet for
Yxy(64.1302, 0.3240, 0.4488)
contains.

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Color

Yxy(64.1330, 0.3238, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	A0E386
RGB	160, 227, 134
RGB Percent	63%, 89%, 53%
CMY	0.3725, 0.1098, 0.4745
CMYK	0.30, 0.00, 0.41, 0.11
HSL	103°, 62%, 71%
HSV	103°, 41%, 89%
XYZ	46.2706, 64.1330, 32.4952
YIQ	196.3650, -10.0790, -43.1270

Conversions

Conversions Part 2

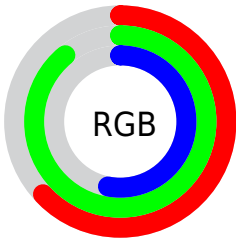
Format	Color
RYB	134, 227, 201
Decimal	10544006
CIELab	84.03, -37.85, 38.82
CIElCh	84, 54.220, 134.278
Yxy	64.1330, 0.3238, 0.4488
Android (android.graphics.Color)	4288734086 (0xFFA0E386)
YUV	196.3650, -30.7459, -31.8921
Hunter-Lab	80.0831, -37.0111, 32.0001

Details

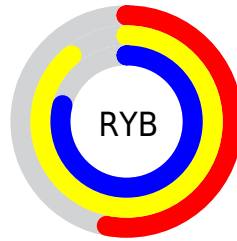
The Yxy color **64.1330, 0.3238, 0.4488** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.0152, 0.2933, 0.2209**, and the grayscale version is **55.6278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9026, 0.3273, 0.4006**, and **32.8145, 0.3234, 0.4809** is the 20% darker color. If you saturate the color by 10%, you get **61.9927, 0.3248, 0.4818**, and if you desaturate by 10%, it is **66.6365, 0.3218, 0.4163**.

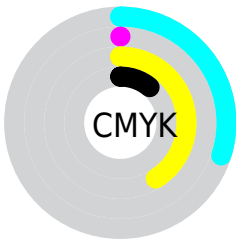
Distribution



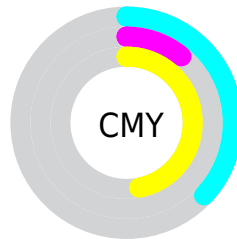
- Red (63%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (79%)



- Cyan (30%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (37%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1330, 0.3238, 0.4488 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 64.1330, 0.3238, 0.4488 by changing the saturation by 10% instead.

 64.1330, 0.3238,
0.4488


 64.1330, 0.3238,
0.4488


439.6698, 0.3208,
0.3890


 46.7584, 0.3238,
0.4634


 110.8025, 0.3233,
0.4272

 32.8447, 0.3232,
0.4820


 140.8661, 0.3230,
0.4191

 22.0075, 0.3218,
0.5061


 175.9282, 0.3226,
0.4122

 13.8624, 0.3184,
0.5385

216.3732, 0.3222,
0.4062

 8.0250, 0.3108,
0.5835

262.5855, 0.3218,
0.4011

 4.1110, 0.3021,
0.6681

314.9494, 0.3215,

 1.7358, 0.2415,

0.3966

0.7585

373.8494, 0.3211,
0.3926

0.4467, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.1330, 0.3238,
0.4488

64.1330, 0.3238,
0.4488

61.9927, 0.3248,
0.4818

66.6365, 0.3218,
0.4163

60.1899, 0.3246,
0.5135

69.5110, 0.3192,
0.3855

58.7084, 0.3231,
0.5419

72.7744, 0.3162,
0.3570


57.5272, 0.3201,
0.5651

76.4408, 0.3130,
0.3313

 56.6223, 0.3159,
0.5815

 80.5238, 0.3098,
0.3084

 56.0124, 0.3117,
0.5907

 83.4200, 0.3140,
0.3019

Harmonies

Analogous

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



64.1330, 0.3876, 0.4483



64.1330, 0.3238, 0.4488



64.1330, 0.2604, 0.4034

Triad

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



64.1330, 0.3238, 0.4488



64.1330, 0.2009, 0.2346



64.1330, 0.4198, 0.3128

Complementary

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



64.1330, 0.3238, 0.4488



35.0152, 0.2933, 0.2209

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.



64.1330, 0.3589, 0.2681



64.1330, 0.3238, 0.4488



64.1330, 0.2336, 0.2242

Square

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



64.1330, 0.3238, 0.4488



64.1330, 0.1940, 0.2709



64.1330, 0.2895, 0.2367



64.1330, 0.4478, 0.3638

Rectangle

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



64.1330, 0.3238, 0.4488



64.1330, 0.2268, 0.3567



64.1330, 0.2895, 0.2367



64.1330, 0.4021, 0.2968

Sweetspot

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



64.1358, 0.3238, 0.4488



94.2398, 0.3166, 0.3601



59.6648, 0.3849, 0.4044



20.0470, 0.3170, 0.3637



0.0000, 0.0000, 0.0000



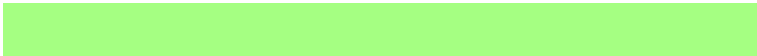
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1358, 0.3238, 0.4488



81.1311, 0.3247, 0.4763



62.3469, 0.2957, 0.4273



16.2832, 0.3158, 0.3530



32.7160, 0.3126, 0.5900



2.4631, 0.3232, 0.5816

Inverse Universe

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



35.0152, 0.2933, 0.2209



38.4239, 0.2878, 0.1990



37.8807, 0.3366, 0.2478



14.4021, 0.3093, 0.3055



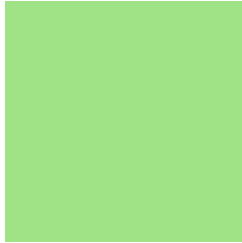
7.8695, 0.2513, 0.1158



0.6275, 0.2618, 0.1216

Previews

White Background



This preview shows how the Yxy color 64.1330, 0.3238, 0.4488 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 64.1330, 0.3238, 0.4488 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 64.1330, 0.3238, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 64.1330, 0.3238, 0.4488.



This preview shows how white text looks on a background with the Yxy color 64.1330, 0.3238, 0.4488.

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

64.1330, 0.3238, 0.4488

Protanopia

63.6272, 0.3869, 0.4199

Deuteranopia

63.5260, 0.4001, 0.3921



Tritanopia

63.7142, 0.2749, 0.3078

Trichromacy



Original Color

64.1330, 0.3238, 0.4488



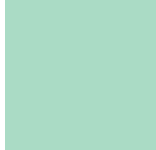
Protanomaly

63.4199, 0.3615, 0.4309



Deuteranomaly

62.6799, 0.3698, 0.4121



Tritanomaly

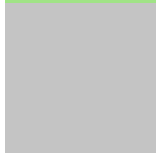
63.2403, 0.2929, 0.3562

Monochromacy



Original Color

64.1330, 0.3238, 0.4488



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.7101, 0.3183, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1330, 0.3238, 0.4488 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(160, 227, 134)` looks like.

```
.text, #text, p{  
    color:rgb(160, 227, 134)  
}
```

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(160, 227, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 227, 134) }
```

Border

The CSS property to change the border of an element to Yxy 64.1330, 0.3238, 0.4488 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(160, 227, 134) }
```

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

```
.border{ border-color:rgb(160, 227, 134) }
```

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

Here you see how a box with a 4 pixel rgb(160, 227, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 227, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 227, 134);  
box-shadow:4px 4px 4px 4px rgb(160, 227,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1330, 0.3238, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 227, 134) }
```

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

```
.background{ background-color: rgb(160,  
227, 134) }
```

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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