

Converting Colors

Yxy(62.4233, 0.3342, 0.4413)

Have a look what the booklet for
Yxy(62.4233, 0.3342, 0.4413)
contains.

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Color

Yxy(62.1770, 0.3341, 0.4410)

Conversions

Conversions Part 1

Format	Color
Hex	ACDD85
RGB	172, 221, 133
RGB Percent	67%, 87%, 52%
CMY	0.3254, 0.1333, 0.4784
CMYK	0.22, 0.00, 0.40, 0.13
HSL	93°, 56%, 69%
HSV	93°, 40%, 87%
XYZ	47.1051, 62.1770, 31.7089
YIQ	196.3170, -0.9560, -37.7560

Conversions

Conversions Part 2

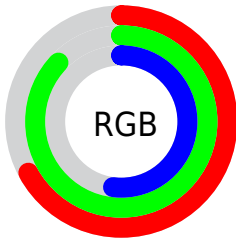
Format	Color
RYB	133, 221, 182
Decimal	11328901
CIELab	83.01, -31.07, 38.14
CIElCh	83, 49.192, 129.175
Yxy	62.1770, 0.3341, 0.4410
Android (android.graphics.Color)	4289518981 (0xFFACDD85)
YUV	196.3170, -31.2153, -21.3260
Hunter-Lab	78.8524, -31.3588, 31.3544

Details

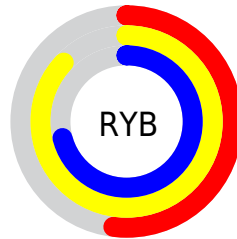
The Yxy color **62.1770, 0.3341, 0.4410** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.9406, 0.2807, 0.2201**, and the grayscale version is **55.5963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7659, 0.3357, 0.3999**, and **31.7332, 0.3364, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **60.3033, 0.3376, 0.4717**, and if you desaturate by 10%, it is **64.3135, 0.3295, 0.4105**.

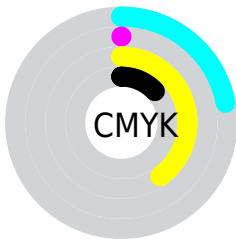
Distribution



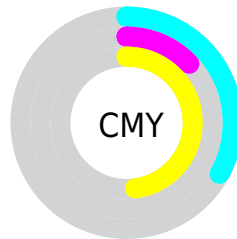
- Red (67%)
- Green (87%)
- Blue (52%)



- Red (52%)
- Yellow (87%)
- Blue (71%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)





- Cyan (33%)
- Magenta (13%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1770, 0.3341, 0.4410 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 62.1770, 0.3341, 0.4410 by changing the saturation by 10% instead.


 62.1770, 0.3341,
0.4410


 62.1770, 0.3341,
0.4410


432.5764, 0.3259,
0.3853

 45.1757, 0.3354,
0.4546

 107.9813, 0.3317,
0.4210

 31.5959, 0.3365,
0.4717


 137.5531, 0.3306,
0.4134

 21.0530, 0.3372,
0.4940


 172.0839, 0.3297,
0.4069

 13.1628, 0.3368,
0.5238

211.9581, 0.3288,
0.4014

 7.5407, 0.3332,
0.5651

257.5601, 0.3279,
0.3966

 3.8025, 0.3337,
0.6481

309.2742, 0.3272,

 1.5637, 0.2807,

0.3923

0.7193

367.4848, 0.3265,
0.3886

■ 0.3329, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.1770, 0.3341,
0.4410

■ 62.1770, 0.3341,
0.4410

■ 60.3033, 0.3376,
0.4717

■ 64.3135, 0.3295,
0.4105

■ 58.6727, 0.3396,
0.5012


■ 66.7156, 0.3241,
0.3811

■ 57.2752, 0.3397,
0.5278

■ 69.3958, 0.3184,
0.3537


■ 56.0966, 0.3378,
0.5499


■ 72.3639, 0.3126,
0.3286


 55.1209, 0.3339,
0.5663

 75.6287, 0.3069,
0.3058

 54.3224, 0.3285,
0.5772

 78.4969, 0.3080,
0.2953

 54.3091, 0.3284,
0.5774

 80.1943, 0.3143,
0.2960

Harmonies

Analogous

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



62.1770, 0.3912, 0.4352



62.1770, 0.3341, 0.4410



62.1770, 0.2742, 0.4061

Triad

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



62.1770, 0.3341, 0.4410



62.1770, 0.2062, 0.2460



62.1770, 0.4030, 0.3069

Complementary

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



62.1770, 0.3341, 0.4410



31.9406, 0.2807, 0.2201

Split Complementary

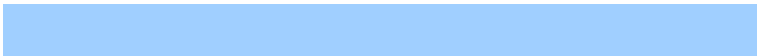
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.1770, 0.3444, 0.2666



62.1770, 0.3341, 0.4410



62.1770, 0.2328, 0.2319

Square

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



62.1770, 0.3341, 0.4410



62.1770, 0.2041, 0.2844



62.1770, 0.2816, 0.2400



62.1770, 0.4350, 0.3540

Rectangle

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



62.1770, 0.3341, 0.4410



62.1770, 0.2408, 0.3658



62.1770, 0.2816, 0.2400



62.1770, 0.3854, 0.2923

Sweetspot

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



62.1797, 0.3341, 0.4410



95.0945, 0.3198, 0.3598



50.2777, 0.3892, 0.3863



20.2474, 0.3205, 0.3633



0.0000, 0.0000, 0.0000



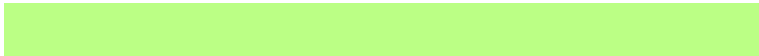
21.4041, 0.3127, 0.3290

Same Dimension

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



62.1797, 0.3341, 0.4410



83.7493, 0.3372, 0.4674



58.5187, 0.3045, 0.4447



14.8873, 0.3182, 0.3527



31.6129, 0.3296, 0.5765



2.0986, 0.3424, 0.5663

Inverse Universe

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



31.9406, 0.2807, 0.2201



36.2676, 0.2715, 0.1954



37.1373, 0.3214, 0.2355



12.9728, 0.3068, 0.3055



5.5486, 0.2143, 0.0954



0.4102, 0.2310, 0.1046

Previews

White Background



This preview shows how the Yxy color 62.1770, 0.3341, 0.4410 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 62.1770, 0.3341, 0.4410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

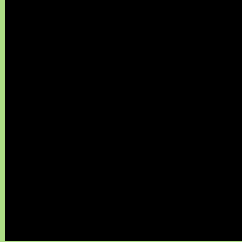
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1770, 0.3341, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 62.1770, 0.3341, 0.4410.



This preview shows how white text looks on a background with the Yxy color 62.1770, 0.3341, 0.4410.

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

62.1770, 0.3341, 0.4410

Protanopia

61.6825, 0.3858, 0.4178

Deuteranopia

61.5416, 0.4006, 0.3918



Tritanopia

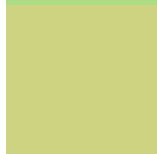
62.0783, 0.2846, 0.3090

Trichromacy



Original Color

62.1770, 0.3341, 0.4410



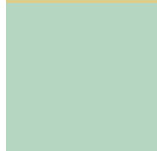
Protanomaly

61.2953, 0.3665, 0.4262



Deuteranomaly

61.1358, 0.3753, 0.4095



Tritanomaly

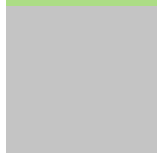
61.7671, 0.3029, 0.3548

Monochromacy



Original Color

62.1770, 0.3341, 0.4410



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.2446, 0.3216, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1770, 0.3341, 0.4410 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(172, 221, 133)` looks like.

```
.text, #text, p{  
    color:rgb(172, 221, 133)  
}
```

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(172, 221, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 221, 133) }
```

Border

The CSS property to change the border of an element to Yxy 62.1770, 0.3341, 0.4410 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(172, 221, 133) }
```

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

```
.border{ border-color:rgb(172, 221, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 221, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 221, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 221, 133);  
box-shadow:4px 4px 4px 4px rgb(172, 221,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1770, 0.3341, 0.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 221, 133) }
```

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

```
.background{ background-color: rgb(172,  
221, 133) }
```

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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