

Converting Colors

Yxy(63.6940, 0.3154, 0.4181)

Have a look what the booklet for
Yxy(63.6940, 0.3154, 0.4181)
contains.

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Color

Yxy(63.6772, 0.3153, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	A5E09B
RGB	165, 224, 155
RGB Percent	65%, 88%, 61%
CMY	0.3529, 0.1216, 0.3923
CMYK	0.26, 0.00, 0.31, 0.12
HSL	111°, 53%, 74%
HSV	111°, 31%, 88%
XYZ	48.0896, 63.6772, 40.7534
YIQ	198.4930, -13.0150, -33.9670

Conversions

Conversions Part 2

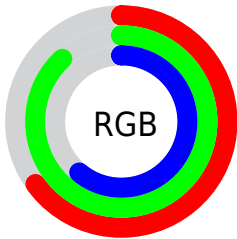
Format	Color
RYB	155, 224, 214
Decimal	10870939
CIELab	83.80, -31.74, 27.93
CIELCh	84, 42.281, 138.654
Yxy	63.6772, 0.3153, 0.4175
Android (android.graphics.Color)	4289061019 (0xFFA5E09B)
YUV	198.4930, -21.4420, -29.3734
Hunter-Lab	79.7980, -32.0749, 25.5788

Details

The Yxy color **63.6772, 0.3153, 0.4175** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.1052, 0.3074, 0.2505**, and the grayscale version is **56.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5453, 0.3173, 0.3762**, and **32.3640, 0.3141, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **61.0944, 0.3154, 0.4513**, and if you desaturate by 10%, it is **66.7122, 0.3148, 0.3857**.

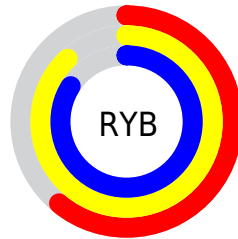
Distribution



Red (65%)

Green (88%)

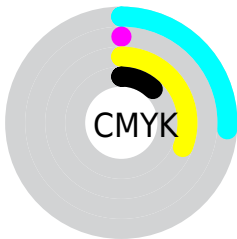
Blue (61%)



Red (61%)

Yellow (88%)

Blue (84%)

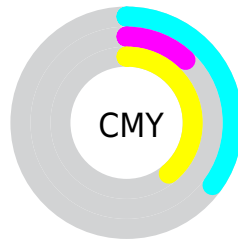


Cyan (26%)

Magenta (0%)

Yellow (31%)

Black (12%)



Cyan (35%)


Magenta (12%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6772, 0.3153, 0.4175 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 63.6772, 0.3153, 0.4175 by changing the saturation by 10% instead.


 63.6772, 0.3153,
0.4175


 63.6772, 0.3153,
0.4175

438.0230, 0.3153,
0.3735

 46.3893, 0.3149,
0.4283


 110.1459, 0.3156,
0.4016

 32.5531, 0.3143,
0.4421


 140.0955, 0.3156,
0.3956

 21.7843, 0.3130,
0.4601


175.0344, 0.3156,
0.3905

 13.6985, 0.3106,
0.4848

215.3471, 0.3155,
0.3862

 7.9113, 0.3059,
0.5202

261.4179, 0.3155,
0.3824

 4.0382, 0.2955,
0.5743


313.6312, 0.3154,


 1.6950, 0.2854,

0.3791

0.7146


372.3715, 0.3154,
0.3761


 0.4204, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 63.6772, 0.3153,
0.4175


 63.6772, 0.3153,
0.4175

 61.0944, 0.3154,
0.4513


 66.7122, 0.3148,
0.3857


 58.9344, 0.3149,
0.4859

 70.2111, 0.3139,
0.3568

 57.1767, 0.3137,
0.5192

 74.1954, 0.3128,
0.3310

 55.7960, 0.3118,
0.5489

 78.6826, 0.3116,
0.3082

■ 54.7640, 0.3092,
0.5727

■ 81.7931, 0.3141,
0.2989

■ 54.0482, 0.3062,
0.5888

■ 53.6298, 0.3036,
0.5971

Harmonies

Analogous

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



63.6772, 0.3667, 0.4246



63.6772, 0.3153, 0.4175



63.6772, 0.2657, 0.3788

Triad

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



63.6772, 0.3153, 0.4175



63.6772, 0.2254, 0.2514



63.6772, 0.4014, 0.3233

Complementary

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



63.6772, 0.3153, 0.4175



43.1052, 0.3074, 0.2505

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.



63.6772, 0.3572, 0.2851



63.6772, 0.3153, 0.4175



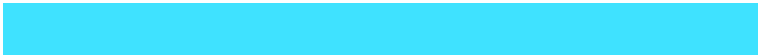
63.6772, 0.2554, 0.2449

Square

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



63.6772, 0.3153, 0.4175



63.6772, 0.2167, 0.2788



63.6772, 0.3028, 0.2573



63.6772, 0.4192, 0.3652

Rectangle

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



63.6772, 0.3153, 0.4175



63.6772, 0.2401, 0.3432



63.6772, 0.3028, 0.2573



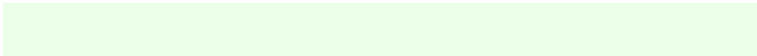
63.6772, 0.3889, 0.3098

Sweetspot

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



63.6799, 0.3153, 0.4175



95.0776, 0.3137, 0.3521



66.1289, 0.3623, 0.3952



20.1911, 0.3139, 0.3560



0.0000, 0.0000, 0.0000



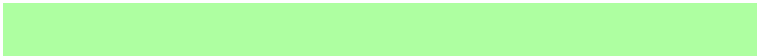
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6799, 0.3153, 0.4175



83.1232, 0.3154, 0.4392



63.5389, 0.2941, 0.3867



15.4324, 0.3137, 0.3531



31.2455, 0.3042, 0.5966



2.1964, 0.3126, 0.5900

Inverse Universe

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



43.1052, 0.3074, 0.2505



51.3359, 0.3058, 0.2340



43.4440, 0.3379, 0.2777



13.8293, 0.3115, 0.3057



9.6495, 0.2845, 0.1341



0.6968, 0.2905, 0.1374

Previews

White Background



This preview shows how the Yxy color 63.6772, 0.3153, 0.4175 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 63.6772, 0.3153, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

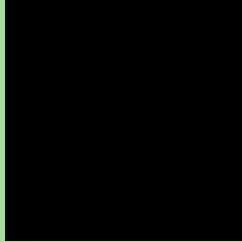
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6772, 0.3153, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 63.6772, 0.3153, 0.4175.



This preview shows how white text looks on a background with the Yxy color 63.6772, 0.3153, 0.4175.

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

63.6772, 0.3153, 0.4175

Protanopia

63.0972, 0.3692, 0.3972

Deuteranopia

63.0797, 0.3796, 0.3723



Tritanopia

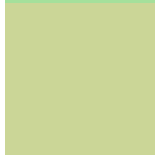
63.3276, 0.2772, 0.3089

Trichromacy



Original Color

63.6772, 0.3153, 0.4175



Protanomaly

63.0240, 0.3481, 0.4043



Deuteranomaly

62.5166, 0.3542, 0.3885



Tritanomaly

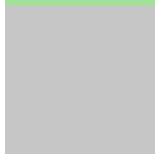
63.3388, 0.2911, 0.3473

Monochromacy



Original Color

63.6772, 0.3153, 0.4175



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.4421, 0.3143, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6772, 0.3153, 0.4175 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(165, 224, 155)` looks like.

```
.text, #text, p{  
    color:rgb(165, 224, 155)  
}
```

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(165, 224, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 224, 155) }
```

Border

The CSS property to change the border of an element to Yxy 63.6772, 0.3153, 0.4175 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(165, 224, 155) }
```

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

```
.border{ border-color:rgb(165, 224, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 224, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 224, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 224, 155);  
box-shadow:4px 4px 4px 4px rgb(165, 224,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6772, 0.3153, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 224, 155) }
```

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

```
.background{ background-color: rgb(165,  
224, 155) }
```

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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