

Converting Colors

$Y_{xy}(42.4780, 0.3168, 0.4090)$

Have a look what the booklet for
Yxy(42.4780, 0.3168, 0.4090)
contains.

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Color

Yxy(42.5620, 0.3163, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	8EBA85
RGB	142, 186, 133
RGB Percent	56%, 73%, 52%
CMY	0.4429, 0.2706, 0.4784
CMYK	0.24, 0.00, 0.28, 0.27
HSL	110°, 28%, 63%
HSV	110°, 28%, 73%
XYZ	32.9556, 42.5620, 28.6733
YIQ	166.8020, -9.2110, -25.8110

Conversions

Conversions Part 2

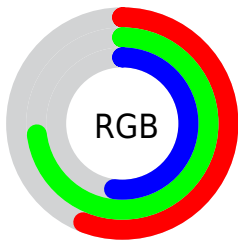
Format	Color
RYB	133, 186, 177
Decimal	9353861
CIELab	71.26, -24.84, 22.25
CIELCh	71, 33.348, 138.153
Yxy	42.5620, 0.3163, 0.4085
Android (android.graphics.Color)	4287543941 (0xFF8EBA85)
YUV	166.8020, -16.6644, -21.7514
Hunter-Lab	65.2396, -24.0004, 19.6092

Details

The Yxy color **42.5620, 0.3163, 0.4085** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.6652, 0.3067, 0.2572**, and the grayscale version is **38.6344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9197, 0.3168, 0.3928**, and **19.5733, 0.3151, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **40.8224, 0.3169, 0.4412**, and if you desaturate by 10%, it is **44.5852, 0.3153, 0.3780**.

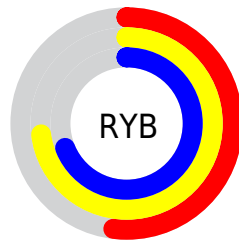
Distribution



Red (56%)

Green (73%)

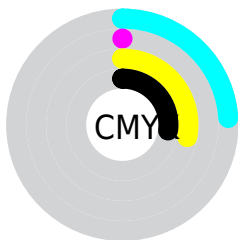
Blue (52%)



Red (52%)

Yellow (73%)

Blue (69%)

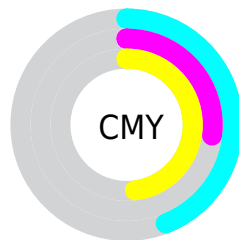


Cyan (24%)

Magenta (0%)

Yellow (28%)

Black (27%)



Cyan (44%)


Magenta (27%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5620, 0.3163, 0.4085 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 42.5620, 0.3163, 0.4085 by changing the saturation by 10% instead.


 42.5620, 0.3163,
0.4085

 42.5620, 0.3163,
0.4085


356.8074, 0.3154,
0.3665

 29.5416, 0.3161,
0.4197


 79.0495, 0.3162,
0.3927

 19.4909, 0.3157,
0.4346


 103.2854, 0.3161,
0.3869

 12.0255, 0.3146,
0.4551

 132.0285, 0.3160,
0.3821

 6.7611, 0.3121,
0.4850

165.6634, 0.3159,
0.3780

 3.3131, 0.3057,
0.5324

204.5743, 0.3158,
0.3745

 1.2973, 0.3082,
0.6918

249.1456, 0.3157,

 0.1391, 0.0000,

0.3715

1.0000

299.7619, 0.3156,
0.3688

0.0000, 0.0000,
0.0000

42.5620, 0.3163,
0.4085

42.5620, 0.3163,
0.4085

40.8224, 0.3169,
0.4412

44.5852, 0.3153,
0.3780

39.3483, 0.3168,
0.4751

46.8981, 0.3140,
0.3502

38.1281, 0.3160,
0.5083

49.5136, 0.3125,
0.3254


37.1471, 0.3144,
0.5389


52.4422, 0.3109,
0.3036

36.3890, 0.3120,
0.5644


55.6939, 0.3093,
0.2845

 35.8356, 0.3089,
0.5830

 59.2781, 0.3078,
0.2678

 35.4619, 0.3056,
0.5944

 62.6639, 0.3121,
0.2606

 35.4172, 0.3053,
0.5958

 63.5942, 0.3159,
0.2614

Harmonies

Analogous

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



42.5620, 0.3627, 0.4150



42.5620, 0.3163, 0.4085



42.5620, 0.2710, 0.3744

Triad

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



42.5620, 0.3163, 0.4085



42.5620, 0.2329, 0.2589



42.5620, 0.3921, 0.3236

Complementary

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



42.5620, 0.3163, 0.4085



29.6652, 0.3067, 0.2572

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.



42.5620, 0.3522, 0.2887



42.5620, 0.3163, 0.4085



42.5620, 0.2602, 0.2523

Square

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



42.5620, 0.3163, 0.4085



42.5620, 0.2253, 0.2846



42.5620, 0.3032, 0.2633



42.5620, 0.4087, 0.3619

Rectangle

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



42.5620, 0.3163, 0.4085



42.5620, 0.2474, 0.3429



42.5620, 0.3032, 0.2633



42.5620, 0.3808, 0.3113

Sweetspot

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



42.5638, 0.3163, 0.4085



84.7185, 0.3141, 0.3520



43.2921, 0.3584, 0.3872



18.5149, 0.3143, 0.3559



95.5105, 0.3127, 0.3290



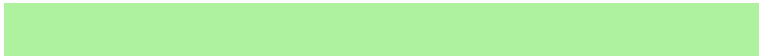
19.5994, 0.3127, 0.3290

Same Dimension

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



42.5638, 0.3163, 0.4085



75.1792, 0.3167, 0.4282



42.2972, 0.2969, 0.3837



10.1318, 0.3141, 0.3524



23.8531, 0.3058, 0.5954



0.8638, 0.3215, 0.5829

Inverse Universe

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



29.6652, 0.3067, 0.2572



48.0532, 0.3049, 0.2415



30.0898, 0.3333, 0.2800



9.0831, 0.3111, 0.3063



7.0525, 0.2786, 0.1309



0.2694, 0.2902, 0.1372

Previews

White Background



This preview shows how the Yxy color 42.5620, 0.3163, 0.4085 looks on a white background.

Color Contrast Check

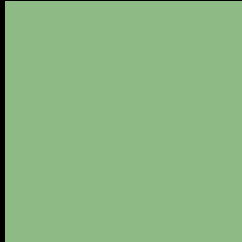
Large Text (above 18pt) WCAG AA × Fail

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 42.5620, 0.3163, 0.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

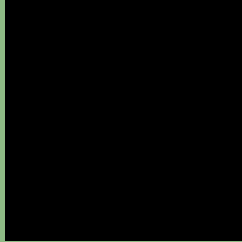
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5620, 0.3163, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 42.5620, 0.3163, 0.4085.



This preview shows how white text looks on a background with the Yxy color 42.5620, 0.3163, 0.4085.

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

42.5620, 0.3163, 0.4085

Protanopia

42.3954, 0.3645, 0.3909

Deuteranopia

42.1401, 0.3748, 0.3676



Tritanopia

42.3664, 0.2800, 0.3082

Trichromacy



Original Color

42.5620, 0.3163, 0.4085

Protanomaly

42.1104, 0.3461, 0.3966

Deuteranomaly

41.8734, 0.3517, 0.3812

Tritanomaly

42.2839, 0.2930, 0.3433

Monochromacy



Original Color

42.5620, 0.3163, 0.4085

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.9078, 0.3141, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5620, 0.3163, 0.4085 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(142, 186, 133)` looks like.

```
.text, #text, p{  
    color:rgb(142, 186, 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(142, 186, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 186, 133) }
```

Border

The CSS property to change the border of an element to Yxy 42.5620, 0.3163, 0.4085 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(142, 186, 133) }
```

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

```
.border{ border-color:rgb(142, 186, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 186, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 186, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 186, 133);  
box-shadow:4px 4px 4px 4px rgb(142, 186,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5620, 0.3163, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 186, 133) }
```

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

```
.background{ background-color: rgb(142,  
186, 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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