

Converting Colors

$Yxy(42.2261, 0.3172, 0.4049)$

Have a look what the booklet for
Yxy(42.2261, 0.3172, 0.4049)
contains.

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Color

Yxy(42.3484, 0.3173, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	90B986
RGB	144, 185, 134
RGB Percent	56%, 73%, 53%
CMY	0.4353, 0.2745, 0.4745
CMYK	0.22, 0.00, 0.28, 0.27
HSL	108°, 27%, 63%
HSV	108°, 28%, 73%
XYZ	33.1536, 42.3484, 28.9846
YIQ	166.9270, -8.0650, -24.5530

Conversions

Conversions Part 2

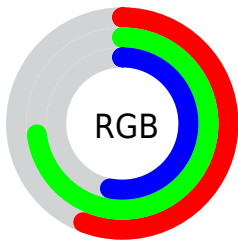
Format	Color
RYB	134, 185, 175
Decimal	9484678
CIELab	71.11, -23.51, 21.53
CIElCh	71, 31.882, 137.512
Yxy	42.3484, 0.3173, 0.4053
Android (android.graphics.Color)	4287674758 (0xFF90B986)
YUV	166.9270, -16.2330, -20.1070
Hunter-Lab	65.0756, -22.9434, 19.1453

Details

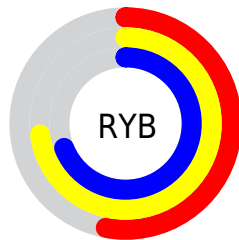
The Yxy color **42.3484, 0.3173, 0.4053** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.6726, 0.3056, 0.2593**, and the grayscale version is **38.6904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6406, 0.3176, 0.3904**, and **19.4179, 0.3165, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **40.6257, 0.3183, 0.4376**, and if you desaturate by 10%, it is **44.3416, 0.3159, 0.3752**.

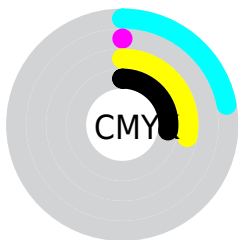
Distribution



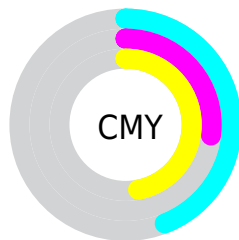
- Red (56%)
- Green (73%)
- Blue (53%)



- Red (53%)
- Yellow (73%)
- Blue (69%)



- Cyan (22%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)



- Cyan (44%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3484, 0.3173, 0.4053 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 42.3484, 0.3173, 0.4053 by changing the saturation by 10% instead.


 42.3484, 0.3173,
0.4053


 42.3484, 0.3173,
0.4053


355.9252, 0.3159,
0.3650

 29.3742, 0.3173,
0.4161

 78.7266, 0.3170,
0.3901

 19.3641, 0.3171,
0.4303


 102.8995, 0.3168,
0.3846

 11.9336, 0.3164,
0.4499


 131.5740, 0.3166,
0.3800

 6.6985, 0.3145,
0.4786

165.1345, 0.3165,
0.3761

 3.2743, 0.3092,
0.5241

203.9655, 0.3163,
0.3727

 1.2765, 0.3180,
0.6820

248.4514, 0.3161,

 0.1229, 0.0000,

0.3698

1.0000

298.9764, 0.3160,
0.3673

■ 0.0000, 0.0000,
0.0000

■ 42.3484, 0.3173,
0.4053

■ 42.3484, 0.3173,
0.4053

■ 40.6257, 0.3183,
0.4376

■ 44.3416, 0.3159,
0.3752

■ 39.1565, 0.3186,
0.4711

■ 46.6107, 0.3141,
0.3478

■ 37.9302, 0.3181,
0.5042

■ 49.1677, 0.3122,
0.3233

■ 36.9333, 0.3167,
0.5349

■ 52.0224, 0.3103,
0.3017


■ 36.1509, 0.3142,
0.5608


■ 55.1840, 0.3083,
0.2828

 35.5662, 0.3110,
0.5802

 58.6613, 0.3064,
0.2662

 35.1577, 0.3074,
0.5923

 61.9021, 0.3107,
0.2593

 35.0788, 0.3066,
0.5947

 63.1797, 0.3159,
0.2604

Harmonies

Analogous

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



42.3484, 0.3616, 0.4112



42.3484, 0.3173, 0.4053



42.3484, 0.2737, 0.3733

Triad

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



42.3484, 0.3173, 0.4053



42.3484, 0.2357, 0.2621



42.3484, 0.3881, 0.3232

Complementary

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



42.3484, 0.3173, 0.4053



29.6726, 0.3056, 0.2593

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.



42.3484, 0.3496, 0.2896



42.3484, 0.3173, 0.4053



42.3484, 0.2617, 0.2552

Square

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



42.3484, 0.3173, 0.4053



42.3484, 0.2287, 0.2873



42.3484, 0.3027, 0.2654



42.3484, 0.4046, 0.3601

Rectangle

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



42.3484, 0.3173, 0.4053



42.3484, 0.2507, 0.3434



42.3484, 0.3027, 0.2654



42.3484, 0.3771, 0.3113

Sweetspot

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



42.3502, 0.3173, 0.4053



83.2307, 0.3142, 0.3493



42.6207, 0.3570, 0.3842



17.8053, 0.3145, 0.3532



93.3107, 0.3127, 0.3290



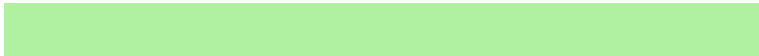
18.7317, 0.3127, 0.3290

Same Dimension

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



42.3502, 0.3173, 0.4053



73.9431, 0.3179, 0.4244



41.9488, 0.2980, 0.3830



10.1425, 0.3145, 0.3524



23.9091, 0.3072, 0.5942



0.8683, 0.3244, 0.5806

Inverse Universe

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



29.6726, 0.3056, 0.2593



47.5044, 0.3035, 0.2437



30.2594, 0.3316, 0.2805



9.0715, 0.3107, 0.3063



6.7520, 0.2724, 0.1274



0.2611, 0.2857, 0.1347

Previews

White Background



This preview shows how the Yxy color 42.3484, 0.3173, 0.4053 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 42.3484, 0.3173, 0.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

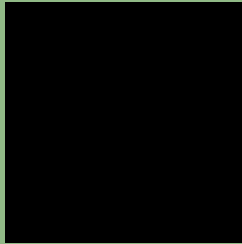
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3484, 0.3173, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 42.3484, 0.3173, 0.4053.



This preview shows how white text looks on a background with the Yxy color 42.3484, 0.3173, 0.4053.

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

42.3484, 0.3173, 0.4053

Protanopia

41.9112, 0.3630, 0.3886

Deuteranopia

42.0290, 0.3728, 0.3664



Tritanopia

42.5166, 0.2823, 0.3096

Trichromacy



Original Color

42.3484, 0.3173, 0.4053

Protanomaly

41.7409, 0.3456, 0.3940

Deuteranomaly

41.9020, 0.3509, 0.3798

Tritanomaly

42.4721, 0.2946, 0.3433

Monochromacy



Original Color

42.3484, 0.3173, 0.4053

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.0096, 0.3150, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3484, 0.3173, 0.4053 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(144, 185, 134)` looks like.

```
.text, #text, p{  
    color:rgb(144, 185, 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(144, 185, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 185, 134) }
```

Border

The CSS property to change the border of an element to Yxy 42.3484, 0.3173, 0.4053 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(144, 185, 134) }
```

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

```
.border{ border-color:rgb(144, 185, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 185, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 185, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 185, 134);  
box-shadow:4px 4px 4px 4px rgb(144, 185,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3484, 0.3173, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 185, 134) }
```

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

```
.background{ background-color: rgb(144,  
185, 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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