

Converting Colors

$Yxy(41.7470, 0.3211, 0.4107)$

Have a look what the booklet for
Yxy(41.7470, 0.3211, 0.4107)
contains.

Yxy(41.7953, 0.3212, 0.4117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.7953, 0.3212, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	90B881
RGB	144, 184, 129
RGB Percent	56%, 72%, 51%
CMY	0.4352, 0.2784, 0.4941
CMYK	0.22, 0.00, 0.30, 0.28
HSL	104°, 28%, 61%
HSV	104°, 30%, 72%
XYZ	32.6078, 41.7953, 27.1157
YIQ	165.7700, -6.1850, -25.5850

Conversions

Conversions Part 2

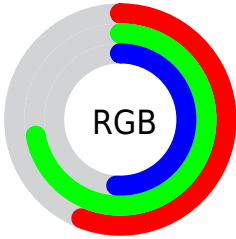
Format	Color
RYB	129, 184, 169
Decimal	9484417
CIELab	70.73, -23.81, 23.70
CIELCh	71, 33.598, 135.128
Yxy	41.7953, 0.3212, 0.4117
Android (android.graphics.Color)	4287674497 (0xFF90B881)
YUV	165.7700, -18.1276, -19.0923
Hunter-Lab	64.6493, -23.1043, 20.3867

Details

The Yxy color **41.7953, 0.3212, 0.4117** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.5915, 0.3004, 0.2522**, and the grayscale version is **38.1109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8397, 0.3207, 0.3952**, and **19.0724, 0.3215, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **40.2172, 0.3231, 0.4436**, and if you desaturate by 10%, it is **43.6078, 0.3187, 0.3815**.

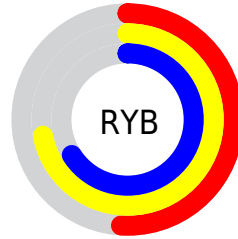
Distribution



Red (56%)

Green (72%)

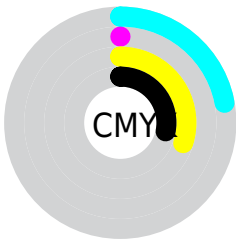
Blue (51%)



Red (51%)

Yellow (72%)

Blue (66%)

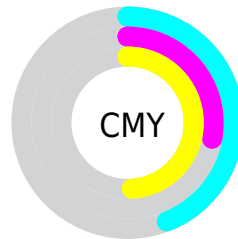


Cyan (22%)

Magenta (0%)

Yellow (30%)

Black (28%)



Cyan (44%)


Magenta (28%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7953, 0.3212, 0.4117 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 41.7953, 0.3212, 0.4117 by changing the saturation by 10% instead.

 41.7953, 0.3212,
0.4117


 41.7953, 0.3212,
0.4117


353.6337, 0.3179,
0.3679

 28.9410, 0.3216,
0.4234

 77.8897, 0.3203,
0.3952

 19.0362, 0.3219,
0.4389


 101.8987, 0.3198,
0.3892

 11.6965, 0.3217,
0.4603


 130.3947, 0.3194,
0.3842

 6.5373, 0.3203,
0.4915

163.7621, 0.3191,
0.3799

 3.1745, 0.3154,
0.5411

202.3853, 0.3187,
0.3763

 1.2235, 0.3092,
0.6908

246.6487, 0.3184,


 0.0808, 0.0000,


0.3731

1.0000

296.9367, 0.3182,
0.3703


 0.0000, 0.0000,
0.0000


 41.7953, 0.3212,
0.4117


 41.7953, 0.3212,
0.4117


 40.2172, 0.3231,
0.4436


 43.6078, 0.3187,
0.3815


 38.8583, 0.3242,
0.4763


 45.6583, 0.3158,
0.3538

 37.7100, 0.3242,
0.5080


 47.9572, 0.3127,
0.3287


 36.7610, 0.3229,
0.5369


 50.5127, 0.3096,
0.3064


 35.9989, 0.3203,
0.5611

 53.3324, 0.3065,
0.2867

 35.4093, 0.3164,
0.5788

 56.4240, 0.3035,
0.2693

 34.9699, 0.3120,
0.5904

 59.6130, 0.3027,
0.2566

 34.9658, 0.3119,
0.5905

 62.0093, 0.3129,
0.2588

 62.7604, 0.3160,
0.2595

Harmonies

Analogous

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



41.7953, 0.3676, 0.4153



41.7953, 0.3212, 0.4117



41.7953, 0.2747, 0.3795

Triad

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



41.7953, 0.3212, 0.4117



41.7953, 0.2302, 0.2598



41.7953, 0.3900, 0.3197

Complementary

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



41.7953, 0.3212, 0.4117



27.5915, 0.3004, 0.2522

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.



41.7953, 0.3478, 0.2850



41.7953, 0.3212, 0.4117



41.7953, 0.2559, 0.2512

Square

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



41.7953, 0.3212, 0.4117



41.7953, 0.2246, 0.2876



41.7953, 0.2981, 0.2606



41.7953, 0.4097, 0.3584

Rectangle

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



41.7953, 0.3212, 0.4117



41.7953, 0.2497, 0.3480



41.7953, 0.2981, 0.2606



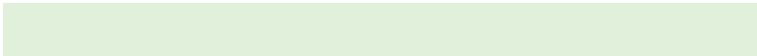
41.7953, 0.3778, 0.3073

Sweetspot

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



41.7971, 0.3212, 0.4117



83.0632, 0.3155, 0.3518



39.9337, 0.3628, 0.3831



17.7837, 0.3160, 0.3557



93.3107, 0.3127, 0.3290



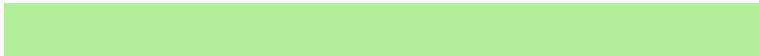
18.7317, 0.3127, 0.3290

Same Dimension

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



41.7971, 0.3212, 0.4117



73.8032, 0.3226, 0.4330



40.8677, 0.3001, 0.3957



10.1757, 0.3156, 0.3523



24.1293, 0.3127, 0.5899



0.8823, 0.3331, 0.5737

Inverse Universe

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



27.5915, 0.3004, 0.2522



43.8064, 0.2967, 0.2342



28.8714, 0.3286, 0.2705



9.0360, 0.3095, 0.3062



5.8984, 0.2536, 0.1170



0.2369, 0.2717, 0.1271

Previews

White Background



This preview shows how the Yxy color 41.7953, 0.3212, 0.4117 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 41.7953, 0.3212, 0.4117 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 41.7953, 0.3212, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 41.7953, 0.3212, 0.4117.



This preview shows how white text looks on a background with the Yxy color 41.7953, 0.3212, 0.4117.

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

41.7953, 0.3212, 0.4117

Protanopia

41.3994, 0.3678, 0.3940

Deuteranopia

41.5224, 0.3779, 0.3716



Tritanopia

41.6384, 0.2836, 0.3095

Trichromacy



Original Color

41.7953, 0.3212, 0.4117

Protanomaly

41.2150, 0.3500, 0.3998

Deuteranomaly

41.3768, 0.3555, 0.3855

Tritanomaly

41.5514, 0.2968, 0.3448

Monochromacy



Original Color

41.7953, 0.3212, 0.4117

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.4561, 0.3158, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7953, 0.3212, 0.4117 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, 184, 129)` looks like.

```
.text, #text, p{  
    color:rgb(144, 184, 129)  
}
```

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, 184, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 184, 129) }
```

Border

The CSS property to change the border of an element to Yxy 41.7953, 0.3212, 0.4117 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, 184, 129) }
```

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

```
.border{ border-color:rgb(144, 184, 129) }
```

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

Here you see how a box with a 4 pixel rgb(144, 184, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 184, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 184, 129);  
box-shadow:4px 4px 4px 4px rgb(144, 184,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7953, 0.3212, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 184, 129) }
```

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

```
.background{ background-color: rgb(144,  
184, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor