

Converting Colors

Yxy(41.2833, 0.3159, 0.4320)

Have a look what the booklet for
Yxy(41.2833, 0.3159, 0.4320)
contains.

Yxy(41.2197, 0.3157, 0.4316)	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(41.2197, 0.3157, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	82BA78
RGB	130, 186, 120
RGB Percent	51%, 73%, 47%
CMY	0.4903, 0.2705, 0.5294
CMYK	0.30, 0.00, 0.35, 0.27
HSL	111°, 32%, 60%
HSV	111°, 35%, 73%
XYZ	30.1507, 41.2197, 24.1340
YIQ	161.7320, -12.1900, -32.3980

Conversions

Conversions Part 2

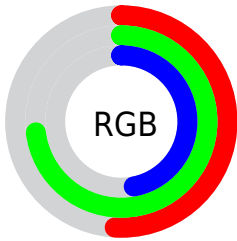
Format	Color
RYB	120, 186, 176
Decimal	8567416
CIELab	70.33, -31.11, 27.81
CIELCh	70, 41.725, 138.208
Yxy	41.2197, 0.3157, 0.4316
Android (android.graphics.Color)	4286757496 (0xFF82BA78)
YUV	161.7320, -20.5739, -27.8290
Hunter-Lab	64.2026, -28.5275, 22.6545

Details

The Yxy color **41.2197, 0.3157, 0.4316** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.2118, 0.3060, 0.2395**, and the grayscale version is **36.0990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8357, 0.3165, 0.4101**, and **18.5772, 0.3133, 0.4645** is the 20% darker color. If you saturate the color by 10%, you get **39.6588, 0.3156, 0.4655**, and if you desaturate by 10%, it is **43.0634, 0.3153, 0.3993**.

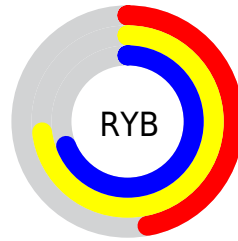
Distribution



Red (51%)

Green (73%)

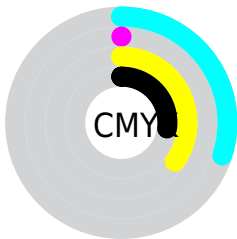
Blue (47%)



Red (47%)

Yellow (73%)

Blue (69%)

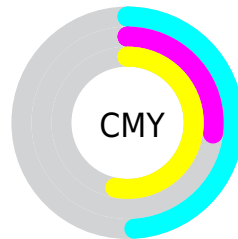


Cyan (30%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (49%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2197, 0.3157, 0.4316 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 41.2197, 0.3157, 0.4316 by changing the saturation by 10% instead.


 41.2197, 0.3157,
0.4316

 41.2197, 0.3157,
0.4316

351.2380, 0.3158,
0.3766


 28.4908, 0.3150,
0.4465


 77.0173, 0.3162,
0.4108

 18.6960, 0.3137,
0.4662


 100.8548, 0.3162,
0.4032

 11.4508, 0.3110,
0.4936


 129.1639, 0.3162,
0.3969

 6.3709, 0.3052,
0.5338

162.3291, 0.3162,
0.3916

 3.0719, 0.2957,
0.6046

200.7347, 0.3161,
0.3870

 1.1694, 0.2188,
0.7812

244.7651, 0.3160,

 0.0365, 0.0000,

0.3831

1.0000

294.8047, 0.3159,
0.3797

■ 0.0000, 0.0000,
0.0000

■ 41.2197, 0.3157,
0.4316

■ 41.2197, 0.3157,
0.4316

■ 39.6588, 0.3156,
0.4655

■ 43.0634, 0.3153,
0.3993

■ 38.3618, 0.3149,
0.4993

■ 45.1976, 0.3144,
0.3694

■ 37.3152, 0.3135,
0.5311


■ 47.6361, 0.3134,
0.3425

■ 36.5027, 0.3113,
0.5584


■ 50.3901, 0.3122,
0.3186


■ 35.9055, 0.3085,
0.5792

■ 53.4705, 0.3109,
0.2976

 35.5019, 0.3054,
0.5923

 56.8875, 0.3096,
0.2794

 35.3706, 0.3043,
0.5966

 60.6510, 0.3083,
0.2635

 63.6023, 0.3159,
0.2614

Harmonies

Analogous

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



41.2197, 0.3739, 0.4378



41.2197, 0.3157, 0.4316



41.2197, 0.2596, 0.3872

Triad

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



41.2197, 0.3157, 0.4316



41.2197, 0.2141, 0.2415



41.2197, 0.4134, 0.3211

Complementary

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



41.2197, 0.3157, 0.4316



26.2118, 0.3060, 0.2395

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.



41.2197, 0.3623, 0.2789



41.2197, 0.3157, 0.4316



41.2197, 0.2471, 0.2345

Square

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



41.2197, 0.3157, 0.4316



41.2197, 0.2048, 0.2720



41.2197, 0.3001, 0.2482



41.2197, 0.4340, 0.3678

Rectangle

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



41.2197, 0.3157, 0.4316



41.2197, 0.2309, 0.3457



41.2197, 0.3001, 0.2482



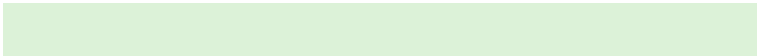
41.2197, 0.3990, 0.3061

Sweetspot

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



41.2215, 0.3157, 0.4316



83.7481, 0.3140, 0.3574



42.4594, 0.3700, 0.4031



18.3126, 0.3141, 0.3612



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.



41.2215, 0.3157, 0.4316



72.3427, 0.3157, 0.4594



41.0680, 0.2926, 0.3980



10.1235, 0.3138, 0.3525



23.8143, 0.3049, 0.5961



0.8602, 0.3192, 0.5848

Inverse Universe

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



26.2118, 0.3060, 0.2395



40.8786, 0.3037, 0.2190



26.5526, 0.3411, 0.2690



9.0922, 0.3114, 0.3063



7.2949, 0.2835, 0.1335



0.2760, 0.2938, 0.1392

Previews

White Background



This preview shows how the Yxy color 41.2197, 0.3157, 0.4316 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 41.2197, 0.3157, 0.4316 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 41.2197, 0.3157, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 41.2197, 0.3157, 0.4316.



This preview shows how white text looks on a background with the Yxy color 41.2197, 0.3157, 0.4316.

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

41.2197, 0.3157, 0.4316

Protanopia

40.7798, 0.3769, 0.4061

Deuteranopia

40.7281, 0.3874, 0.3792



Tritanopia

40.9567, 0.2738, 0.3091

Trichromacy



Original Color

41.2197, 0.3157, 0.4316

Protanomaly

40.4186, 0.3535, 0.4153

Deuteranomaly

40.1652, 0.3588, 0.3978

Tritanomaly

40.7624, 0.2895, 0.3512

Monochromacy



Original Color

41.2197, 0.3157, 0.4316

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7164, 0.3137, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2197, 0.3157, 0.4316 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(130, 186, 120)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 120)  
}
```

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(130, 186, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 120) }
```

Border

The CSS property to change the border of an element to Yxy 41.2197, 0.3157, 0.4316 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(130, 186, 120) }
```

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

```
.border{ border-color:rgb(130, 186, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 186, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 120);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2197, 0.3157, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 186, 120) }
```

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

```
.background{ background-color: rgb(130,  
186, 120) }
```

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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