

Converting Colors

$Yxy(41.3701, 0.3237, 0.3930)$

Have a look what the booklet for
Yxy(41.3701, 0.3237, 0.3930)
contains.

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Color

Yxy(41.2210, 0.3235, 0.3925)

Conversions

Conversions Part 1

Format	Color
Hex	99B489
RGB	153, 180, 137
RGB Percent	60%, 71%, 54%
CMY	0.3999, 0.2941, 0.4628
CMYK	0.15, 0.00, 0.24, 0.29
HSL	98°, 22%, 62%
HSV	98°, 24%, 71%
XYZ	33.9745, 41.2210, 29.8262
YIQ	167.0250, -2.2890, -19.0970

Conversions

Conversions Part 2

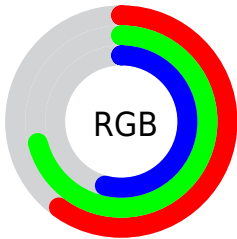
Format	Color
RYB	137, 180, 164
Decimal	10073225
CIELab	70.33, -17.27, 18.96
CIELCh	70, 25.641, 132.331
Yxy	41.2210, 0.3235, 0.3925
Android (android.graphics.Color)	4288263305 (0xFF99B489)
YUV	167.0250, -14.8023, -12.2999
Hunter-Lab	64.2036, -17.8997, 17.3990

Details

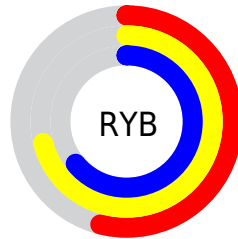
The Yxy color **41.2210, 0.3235, 0.3925** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.0716, 0.2990, 0.2676**, and the grayscale version is **38.7321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1624, 0.3217, 0.3795**, and **18.6336, 0.3251, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **39.7011, 0.3274, 0.4226**, and if you desaturate by 10%, it is **42.9346, 0.3191, 0.3643**.

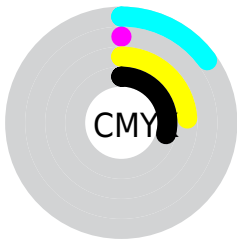
Distribution



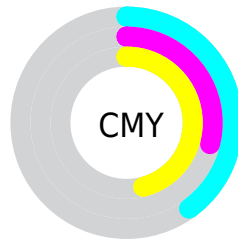
- Red (60%)
- Green (71%)
- Blue (54%)



- Red (54%)
- Yellow (71%)
- Blue (64%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)





- Cyan (40%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2210, 0.3235, 0.3925 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 41.2210, 0.3235, 0.3925 by changing the saturation by 10% instead.

 41.2210, 0.3235,
0.3925

 41.2210, 0.3235,
0.3925


351.2434, 0.3186,
0.3591


 28.4918, 0.3245,
0.4014


 77.0193, 0.3218,
0.3800

 18.6967, 0.3257,
0.4131


 100.8571, 0.3212,
0.3754

 11.4513, 0.3270,
0.4293


 129.1667, 0.3206,
0.3715

 6.3713, 0.3282,
0.4530

162.3323, 0.3201,
0.3683

 3.0721, 0.3284,
0.4905

200.7384, 0.3196,
0.3655

 1.1695, 0.3627,
0.6373

244.7693, 0.3192,

 0.0366, 0.0000,

0.3631

1.0000

294.8096, 0.3189,
0.3610

■ 0.0000, 0.0000,
0.0000

■ 41.2210, 0.3235,
0.3925

■ 41.2210, 0.3235,
0.3925

■ 39.7011, 0.3274,
0.4226

■ 42.9346, 0.3191,
0.3643

■ 38.3625, 0.3305,
0.4538

■ 44.8434, 0.3145,
0.3384

■ 37.1993, 0.3325,
0.4848

■ 46.9554, 0.3099,
0.3150

■ 36.2033, 0.3330,
0.5143

■ 49.2769, 0.3053,
0.2941

■ 35.3653, 0.3318,
0.5403

■ 51.8135, 0.3010,
0.2754

■ 34.6755, 0.3288,
0.5613

■ 54.5709, 0.2968,
0.2590

■ 34.1221, 0.3243,
0.5762

■ 57.0294, 0.2984,
0.2515

■ 33.8394, 0.3212,
0.5831

■ 58.9810, 0.3071,
0.2535

■ 61.0562, 0.3159,
0.2555

Harmonies

Analogous

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



41.2210, 0.3586, 0.3944



41.2210, 0.3235, 0.3925



41.2210, 0.2869, 0.3701

Triad

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



41.2210, 0.3235, 0.3925



41.2210, 0.2471, 0.2770



41.2210, 0.3694, 0.3196

Complementary

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



41.2210, 0.3235, 0.3925



29.0716, 0.2990, 0.2676

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.



41.2210, 0.3364, 0.2925



41.2210, 0.3235, 0.3925



41.2210, 0.2663, 0.2681

Square

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



41.2210, 0.3235, 0.3925



41.2210, 0.2443, 0.3007



41.2210, 0.2984, 0.2740



41.2210, 0.3864, 0.3502

Rectangle

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



41.2210, 0.3235, 0.3925



41.2210, 0.2665, 0.3473



41.2210, 0.2984, 0.2740



41.2210, 0.3597, 0.3099

Sweetspot

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



41.2228, 0.3235, 0.3925



80.1541, 0.3160, 0.3465



37.8858, 0.3530, 0.3662



17.2799, 0.3163, 0.3480



91.1408, 0.3127, 0.3290



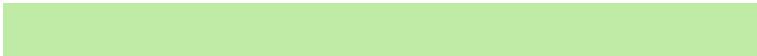
17.8868, 0.3127, 0.3290

Same Dimension

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



41.2228, 0.3235, 0.3925



73.1578, 0.3258, 0.4091



39.9134, 0.3058, 0.3873



9.6392, 0.3170, 0.3521



23.6528, 0.3221, 0.5825



0.7782, 0.3458, 0.5637

Inverse Universe

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



29.0716, 0.2990, 0.2676



47.0451, 0.2950, 0.2522



30.6848, 0.3205, 0.2770



8.4853, 0.3080, 0.3061



4.7858, 0.2305, 0.1044



0.1825, 0.2562, 0.1185

Previews

White Background



This preview shows how the Yxy color 41.2210, 0.3235, 0.3925 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 41.2210, 0.3235, 0.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

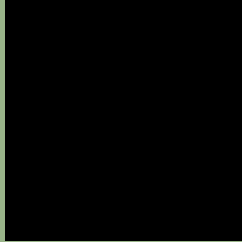
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2210, 0.3235, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 41.2210, 0.3235, 0.3925.



This preview shows how white text looks on a background with the Yxy color 41.2210, 0.3235, 0.3925.

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

41.2210, 0.3235, 0.3925

Protanopia

40.8866, 0.3573, 0.3811

Deuteranopia

40.9458, 0.3687, 0.3617



Tritanopia

41.0521, 0.2913, 0.3097

Trichromacy



Original Color

41.2210, 0.3235, 0.3925

Protanomaly

40.7640, 0.3448, 0.3856

Deuteranomaly

40.5586, 0.3512, 0.3717

Tritanomaly

41.1843, 0.3027, 0.3389

Monochromacy



Original Color

41.2210, 0.3235, 0.3925

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.5867, 0.3170, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2210, 0.3235, 0.3925 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(153, 180, 137)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 137)  
}
```

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(153, 180, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 137) }
```

Border

The CSS property to change the border of an element to Yxy 41.2210, 0.3235, 0.3925 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(153, 180, 137) }
```

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

```
.border{ border-color:rgb(153, 180, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 180, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 137);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2210, 0.3235, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 137) }
```

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

```
.background{ background-color: rgb(153,  
180, 137) }
```

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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