

Converting Colors

$Yxy(41.7101, 0.3805, 0.4472)$

Have a look what the booklet for
Yxy(41.7101, 0.3805, 0.4472)
contains.

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Color

Yxy(41.7101, 0.3805, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	AFB25B
RGB	175, 178, 91
RGB Percent	69%, 70%, 36%
CMY	0.3137, 0.3020, 0.6433
CMYK	0.02, 0.00, 0.49, 0.30
HSL	62°, 36%, 53%
HSV	62°, 49%, 70%
XYZ	35.4890, 41.7101, 16.0703
YIQ	167.1850, 26.1390, -27.6930

Conversions

Conversions Part 2

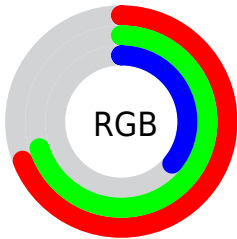
Format	Color
RYB	91, 178, 94
Decimal	11514459
CIELab	70.67, -13.54, 43.74
CIELCh	71, 45.785, 107.197
Yxy	41.7101, 0.3805, 0.4472
Android (android.graphics.Color)	4289704539 (0xFFAFB25B)
YUV	167.1850, -37.5592, 6.8538
Hunter-Lab	64.5834, -14.9338, 30.4552

Details

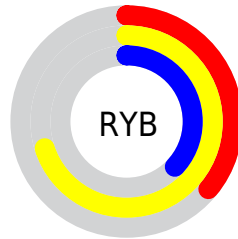
The Yxy color **41.7101, 0.3805, 0.4472** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **13.0688, 0.2238, 0.1785**, and the grayscale version is **38.9160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9846, 0.3695, 0.4259**, and **19.1468, 0.3951, 0.4804** is the 20% darker color. If you saturate the color by 10%, you get **41.3699, 0.3916, 0.4673**, and if you desaturate by 10%, it is **42.1273, 0.3677, 0.4246**.

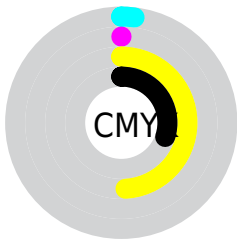
Distribution



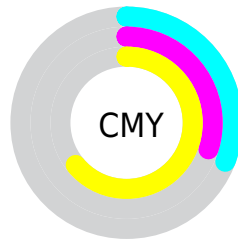
- Red (69%)
- Green (70%)
- Blue (36%)



- Red (36%)
- Yellow (70%)
- Blue (37%)



- Cyan (2%)
- Magenta (0%)
- Yellow (49%)
- Black (30%)





- Cyan (31%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7101, 0.3805, 0.4472 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 41.7101, 0.3805, 0.4472 by changing the saturation by 10% instead.


 41.7101, 0.3805,
0.4472

 41.7101, 0.3805,
0.4472


353.2798, 0.3485,
0.3869

 28.8744, 0.3873,
0.4620


 77.7607, 0.3696,
0.4253

 18.9858, 0.3951,
0.4805


 101.7443, 0.3653,
0.4171

 11.6600, 0.4036,
0.5039


 130.2127, 0.3615,
0.4101

 6.5126, 0.4126,
0.5349

 163.5502, 0.3582,
0.4041

 3.1592, 0.4208,
0.5792

202.1413, 0.3553,
0.3989

 1.2154, 0.3946,
0.6054

246.3703, 0.3528,

 0.0742, 0.0000,

0.3944

1.0000

296.6217, 0.3505,
0.3904

■ 0.0000, 0.0000,
0.0000

■ 41.7101, 0.3805,
0.4472

■ 41.7101, 0.3805,
0.4472

■ 41.3699, 0.3916,
0.4673

■ 42.1273, 0.3677,
0.4246

■ 41.0957, 0.4007,
0.4839

■ 42.6204, 0.3539,
0.4003

■ 40.8836, 0.4073,
0.4965


■ 43.1958, 0.3396,
0.3753


■ 40.7265, 0.4113,
0.5048


■ 43.8574, 0.3252,
0.3505

■ 40.6118, 0.4132,
0.5095


■ 44.6090, 0.3112,
0.3264

 40.5998, 0.4134,
0.5100

 45.4541, 0.2978,
0.3035

 46.3960, 0.2853,
0.2821

 47.4379, 0.2736,
0.2623

 48.5828, 0.2629,
0.2442

Harmonies

Analogous

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



41.7101, 0.4282, 0.4157



41.7101, 0.3805, 0.4472



41.7101, 0.3174, 0.4431

Triad

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



41.7101, 0.3805, 0.4472



41.7101, 0.1962, 0.2679



41.7101, 0.3644, 0.2733

Complementary

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



41.7101, 0.3805, 0.4472



13.0688, 0.2238, 0.1785

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.



41.7101, 0.2965, 0.2409



41.7101, 0.3805, 0.4472



41.7101, 0.2054, 0.2347

Square

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



41.7101, 0.3805, 0.4472



41.7101, 0.2133, 0.3261



41.7101, 0.2398, 0.2268



41.7101, 0.4214, 0.3181

Rectangle

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



41.7101, 0.3805, 0.4472



41.7101, 0.2754, 0.4152



41.7101, 0.2398, 0.2268



41.7101, 0.3417, 0.2608

Sweetspot

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



41.7120, 0.3805, 0.4472



78.7485, 0.3343, 0.3662



18.2024, 0.4442, 0.3336



17.3931, 0.3373, 0.3715



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.



41.7120, 0.3805, 0.4472



74.9577, 0.3928, 0.4693



37.4686, 0.3390, 0.4660



9.8915, 0.3258, 0.3515



29.0547, 0.4134, 0.5099



0.9188, 0.4152, 0.5085

Inverse Universe

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



13.0688, 0.2238, 0.1785



16.7391, 0.2010, 0.1407



16.0424, 0.2694, 0.1951



8.2436, 0.2990, 0.3055



2.3338, 0.1513, 0.0607



0.0780, 0.1569, 0.0638

Previews

White Background



This preview shows how the Yxy color 41.7101, 0.3805, 0.4472 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 41.7101, 0.3805, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

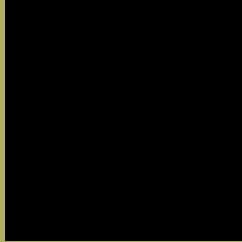
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7101, 0.3805, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 41.7101, 0.3805, 0.4472.



This preview shows how white text looks on a background with the Yxy color 41.7101, 0.3805, 0.4472.

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

41.7101, 0.3805, 0.4472

Protanopia

41.6848, 0.4008, 0.4369

Deuteranopia

41.5673, 0.4222, 0.4145



Tritanopia

41.6557, 0.3172, 0.3120

Trichromacy



Original Color

41.7101, 0.3805, 0.4472

Protanomaly

41.7124, 0.3928, 0.4407

Deuteranomaly

41.5455, 0.4067, 0.4262

Tritanomaly

41.4669, 0.3417, 0.3619

Monochromacy



Original Color

41.7101, 0.3805, 0.4472

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.5359, 0.3393, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7101, 0.3805, 0.4472 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(175, 178, 91)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 91)  
}
```

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(175, 178, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 91) }
```

Border

The CSS property to change the border of an element to Yxy 41.7101, 0.3805, 0.4472 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(175, 178, 91) }
```

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

```
.border{ border-color:rgb(175, 178, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 91);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7101, 0.3805, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 91) }
```

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

```
.background{ background-color: rgb(175,  
178, 91) }
```

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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