

Converting Colors

$Yxy(41.2116, 0.3967, 0.4602)$

Have a look what the booklet for
Yxy(41.2116, 0.3967, 0.4602)
contains.

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Color

Yxy(41.2620, 0.3974, 0.4604)

Conversions

Conversions Part 1

Format	Color
Hex	B4B04B
RGB	180, 176, 75
RGB Percent	71%, 69%, 29%
CMY	0.2942, 0.3098, 0.7059
CMYK	0.00, 0.02, 0.58, 0.29
HSL	58°, 41%, 50%
HSV	58°, 58%, 71%
XYZ	35.6158, 41.2620, 12.7443
YIQ	165.6820, 34.8050, -30.5630

Conversions

Conversions Part 2

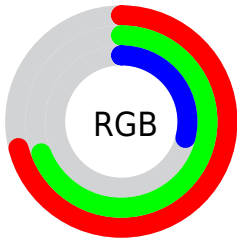
Format	Color
RYB	79, 180, 75
Decimal	11841611
CIELab	70.36, -11.77, 51.06
CIELCh	70, 52.401, 102.975
Yxy	41.2620, 0.3974, 0.4604
Android (android.graphics.Color)	4290031691 (0xFFB4B04B)
YUV	165.6820, -44.7062, 12.5569
Hunter-Lab	64.2355, -13.4416, 33.2018

Details

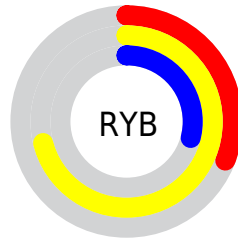
The Yxy color **41.2620, 0.3974, 0.4604** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.3807, 0.2027, 0.1510**, and the grayscale version is **38.1794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8613, 0.3847, 0.4370**, and **18.8258, 0.4147, 0.4944** is the 20% darker color. If you saturate the color by 10%, you get **40.7844, 0.4081, 0.4762**, and if you desaturate by 10%, it is **41.8145, 0.3847, 0.4412**.

Distribution



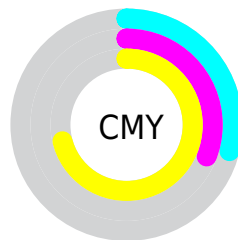
- Red (71%)
- Green (69%)
- Blue (29%)



- Red (31%)
- Yellow (71%)
- Blue (29%)



- Cyan (0%)
- Magenta (2%)
- Yellow (58%)
- Black (29%)




- Cyan (29%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2620, 0.3974, 0.4604 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 41.2620, 0.3974, 0.4604 by changing the saturation by 10% instead.

 41.2620, 0.3974,
0.4604


 41.2620, 0.3974,
0.4604


351.4144, 0.3579,
0.3946

 28.5239, 0.4054,
0.4758


 77.0815, 0.3842,
0.4370

 18.7209, 0.4143,
0.4944


 100.9316, 0.3789,
0.4280

 11.4688, 0.4232,
0.5167


 129.2545, 0.3742,
0.4204

 6.3831, 0.4386,
0.5536

 162.4345, 0.3701,
0.4138

 3.0794, 0.4292,
0.5708

 200.8562, 0.3665,
0.4080

 1.1733, 0.4062,
0.5938

244.9038, 0.3633,

 0.0398, 0.0000,

0.4030

1.0000

294.9617, 0.3605,
0.3985

■ 0.0000, 0.0000,
0.0000

■ 41.2620, 0.3974,
0.4604

■ 41.2620, 0.3974,
0.4604

■ 40.7844, 0.4081,
0.4762

■ 41.8145, 0.3847,
0.4412

■ 40.3699, 0.4165,
0.4881

■ 42.4415, 0.3705,
0.4195

■ 40.0133, 0.4222,
0.4956

■ 43.1497, 0.3554,
0.3962

■ 39.7028, 0.4256,
0.4994

■ 43.9436, 0.3401,
0.3722

■ 39.6524, 0.4261,
0.4999

■ 44.8272, 0.3249,
0.3483

■ 45.8045, 0.3103,
0.3252

■ 46.8789, 0.2965,
0.3032

■ 48.0540, 0.2836,
0.2826

■ 49.3330, 0.2718,
0.2636

Harmonies

Analogous

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



41.2620, 0.4487, 0.4182



41.2620, 0.3974, 0.4604



41.2620, 0.3269, 0.4656

Triad

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



41.2620, 0.3974, 0.4604



41.2620, 0.1824, 0.2659



41.2620, 0.3606, 0.2598

Complementary

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



41.2620, 0.3974, 0.4604



10.3807, 0.2027, 0.1510

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.



41.2620, 0.2833, 0.2264



41.2620, 0.3974, 0.4604



41.2620, 0.1888, 0.2254

Square

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



41.2620, 0.3974, 0.4604



41.2620, 0.2050, 0.3358



41.2620, 0.2229, 0.2136



41.2620, 0.4303, 0.3079

Rectangle

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



41.2620, 0.3974, 0.4604



41.2620, 0.2787, 0.4383



41.2620, 0.2229, 0.2136



41.2620, 0.3342, 0.2467

Sweetspot

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



41.2639, 0.3974, 0.4604



79.8493, 0.3385, 0.3697



15.3177, 0.4798, 0.3224



17.1937, 0.3415, 0.3744



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.



41.2639, 0.3974, 0.4604



73.7344, 0.4108, 0.4801



38.1117, 0.3494, 0.4892



9.8503, 0.3264, 0.3507



27.7021, 0.4260, 0.5000



0.8886, 0.4240, 0.5016

Inverse Universe

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



10.3807, 0.2027, 0.1510



12.5440, 0.1791, 0.1117



12.4834, 0.2479, 0.1645



8.2801, 0.2985, 0.3064



2.4258, 0.1508, 0.0629



0.0933, 0.1542, 0.0752

Previews

White Background



This preview shows how the Yxy color 41.2620, 0.3974, 0.4604 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 41.2620, 0.3974, 0.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

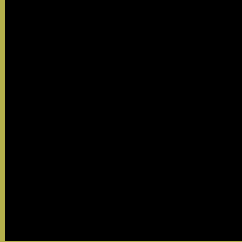
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2620, 0.3974, 0.4604

Background



This preview shows how black text looks on a background with the Yxy color 41.2620, 0.3974, 0.4604.



This preview shows how white text looks on a background with the Yxy color 41.2620, 0.3974, 0.4604.

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

41.2620, 0.3974, 0.4604

Protanopia

41.0758, 0.4119, 0.4515

Deuteranopia

41.2471, 0.4371, 0.4284



Tritanopia

41.0718, 0.3247, 0.3121

Trichromacy



Original Color

41.2620, 0.3974, 0.4604

Protanomaly

40.9463, 0.4072, 0.4546

Deuteranomaly

40.9586, 0.4229, 0.4393

Tritanomaly

40.7381, 0.3536, 0.3671

Monochromacy



Original Color

41.2620, 0.3974, 0.4604

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1008, 0.3458, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2620, 0.3974, 0.4604 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(180, 176, 75)` looks like.

```
.text, #text, p{  
    color:rgb(180, 176, 75)  
}
```

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(180, 176, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 176, 75) }
```

Border

The CSS property to change the border of an element to Yxy 41.2620, 0.3974, 0.4604 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(180, 176, 75) }
```

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

```
.border{ border-color:rgb(180, 176, 75) }
```

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

Here you see how a box with a 4 pixel rgb(180, 176, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 176, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 176, 75);  
box-shadow:4px 4px 4px 4px rgb(180, 176,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2620, 0.3974, 0.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 176, 75) }
```

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

```
.background{ background-color: rgb(180,  
176, 75) }
```

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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