

Converting Colors

$Yxy(41.8064, 0.4066, 0.4841)$

Have a look what the booklet for
Yxy(41.8064, 0.4066, 0.4841)
contains.

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Color

Yxy(41.6724, 0.4073, 0.4832)

Conversions

Conversions Part 1

Format	Color
Hex	B3B234
RGB	179, 178, 52
RGB Percent	70%, 70%, 20%
CMY	0.2981, 0.3019, 0.7960
CMYK	0.00, 0.01, 0.71, 0.30
HSL	60°, 55%, 45%
HSV	60°, 71%, 70%
XYZ	35.1266, 41.6724, 9.4436
YIQ	163.9350, 41.0420, -38.9740

Conversions

Conversions Part 2

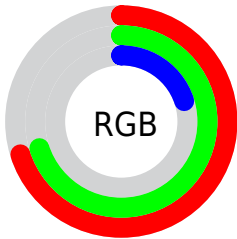
Format	Color
RYB	53, 179, 52
Decimal	11776564
CIELab	70.64, -14.65, 60.86
CIELCh	71, 62.597, 103.538
Yxy	41.6724, 0.4073, 0.4832
Android (android.graphics.Color)	4289966644 (0xFFB3B234)
YUV	163.9350, -55.1840, 13.2120
Hunter-Lab	64.5542, -15.8406, 36.5144

Details

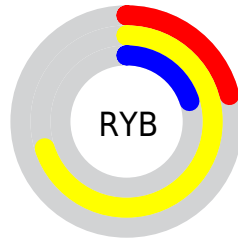
The Yxy color **41.6724, 0.4073, 0.4832** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.5294, 0.1784, 0.1076**, and the grayscale version is **37.3454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5165, 0.3946, 0.4562**, and **19.1327, 0.4153, 0.5084** is the 20% darker color. If you saturate the color by 10%, you get **41.4885, 0.4141, 0.4942**, and if you desaturate by 10%, it is **41.9214, 0.3979, 0.4681**.

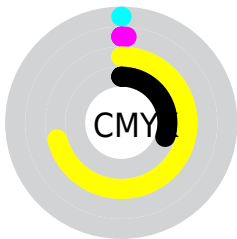
Distribution



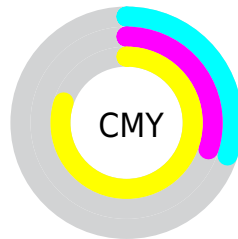
- Red (70%)
- Green (70%)
- Blue (20%)



- Red (21%)
- Yellow (70%)
- Blue (20%)



- Cyan (0%)
- Magenta (1%)
- Yellow (71%)
- Black (30%)




- Cyan (30%)
- Magenta (30%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6724, 0.4073, 0.4832 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 41.6724, 0.4073, 0.4832 by changing the saturation by 10% instead.


 41.6724, 0.4073,
0.4832


 41.6724, 0.4073,
0.4832


353.1231, 0.3653,
0.4074


 28.8449, 0.4147,
0.4999

 77.7036, 0.3941,
0.4569

 18.9635, 0.4218,
0.5193


 101.6760, 0.3884,
0.4466


 11.6439, 0.4279,
0.5421


 130.1322, 0.3834,
0.4377

 6.5017, 0.4310,
0.5690

 163.4565, 0.3790,
0.4300

 3.1525, 0.4151,
0.5849

 202.0333, 0.3750,
0.4233

 1.2118, 0.3861,
0.6139

 246.2471, 0.3714,

 0.0713, 0.0000,

0.4173

1.0000

296.4823, 0.3682,
0.4121

■ 0.0000, 0.0000,
0.0000

■ 41.6724, 0.4073,
0.4832

■ 41.6724, 0.4073,
0.4832

■ 41.4885, 0.4141,
0.4942

■ 41.9214, 0.3979,
0.4681

■ 41.3565, 0.4184,
0.5009

■ 42.2358, 0.3864,
0.4494

■ 41.2695, 0.4206,
0.5042

■ 42.6230, 0.3732,
0.4278

■ 43.0880, 0.3588,
0.4044

■ 43.6350, 0.3438,
0.3799

■ 44.2684, 0.3287,
0.3553

■ 44.9918, 0.3141,
0.3312

■ 45.8090, 0.3000,
0.3082

■ 46.7233, 0.2868,
0.2865

Harmonies

Analogous

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



41.6724, 0.4698, 0.4300



41.6724, 0.4073, 0.4832



41.6724, 0.3248, 0.4938

Triad

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



41.6724, 0.4073, 0.4832



41.6724, 0.1621, 0.2516



41.6724, 0.3706, 0.2493

Complementary

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



41.6724, 0.4073, 0.4832



6.5294, 0.1784, 0.1076

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.



41.6724, 0.2788, 0.2113



41.6724, 0.4073, 0.4832



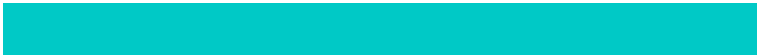
41.6724, 0.1704, 0.2074

Square

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



41.6724, 0.4073, 0.4832



41.6724, 0.1859, 0.3334



41.6724, 0.2091, 0.1960



41.6724, 0.4539, 0.3036

Rectangle

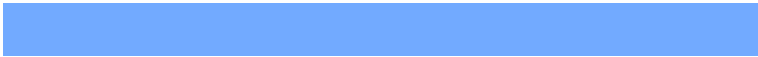
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6724, 0.4073, 0.4832



41.6724, 0.2690, 0.4610



41.6724, 0.2091, 0.1960



41.6724, 0.3389, 0.2344

Sweetspot

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



41.6743, 0.4073, 0.4832



78.1301, 0.3444, 0.3809



12.3066, 0.5449, 0.3274



17.2476, 0.3485, 0.3876



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.



41.6743, 0.4073, 0.4832



74.1879, 0.4168, 0.4984



36.3025, 0.3478, 0.5228



9.8954, 0.3263, 0.3513



29.1772, 0.4206, 0.5042



0.9215, 0.4202, 0.5045

Inverse Universe

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



6.5294, 0.1784, 0.1076



7.4631, 0.1584, 0.0744



9.2482, 0.2350, 0.1340



8.2401, 0.2985, 0.3056



2.3251, 0.1502, 0.0606



0.0766, 0.1509, 0.0631

Previews

White Background



This preview shows how the Yxy color 41.6724, 0.4073, 0.4832 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 41.6724, 0.4073, 0.4832 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 41.6724, 0.4073, 0.4832

Background



This preview shows how black text looks on a background with the Yxy color 41.6724, 0.4073, 0.4832.



This preview shows how white text looks on a background with the Yxy color 41.6724, 0.4073, 0.4832.

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

41.6724, 0.4073, 0.4832

Protanopia

41.5955, 0.4267, 0.4697

Deuteranopia

41.4453, 0.4532, 0.4437



Tritanopia

41.4743, 0.3237, 0.3121

Trichromacy



Original Color

41.6724, 0.4073, 0.4832

Protanomaly

41.7178, 0.4201, 0.4748

Deuteranomaly

41.3483, 0.4372, 0.4576

Tritanomaly

40.8820, 0.3606, 0.3793

Monochromacy



Original Color

41.6724, 0.4073, 0.4832

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.2410, 0.3529, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6724, 0.4073, 0.4832 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(179, 178, 52)` looks like.

```
.text, #text, p{  
    color:rgb(179, 178, 52)  
}
```

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(179, 178, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 178, 52) }
```

Border

The CSS property to change the border of an element to Yxy 41.6724, 0.4073, 0.4832 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(179, 178, 52) }
```

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

```
.border{ border-color:rgb(179, 178, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 178, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 178, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 178, 52);  
box-shadow:4px 4px 4px 4px rgb(179, 178,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6724, 0.4073, 0.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 178, 52) }
```

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

```
.background{ background-color: rgb(179,  
178, 52) }
```

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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