

Converting Colors

$Yxy(41.0684, 0.3489, 0.4255)$

Have a look what the booklet for
Yxy(41.0684, 0.3489, 0.4255)
contains.

Yxy(40.9060, 0.3491, 0.4250)	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(40.9060, 0.3491, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	A0B371
RGB	160, 179, 113
RGB Percent	63%, 70%, 44%
CMY	0.3725, 0.2980, 0.5569
CMYK	0.11, 0.00, 0.37, 0.30
HSL	77°, 30%, 57%
HSV	77°, 37%, 70%
XYZ	33.6007, 40.9060, 21.7427
YIQ	165.7950, 9.8620, -24.5540

Conversions

Conversions Part 2

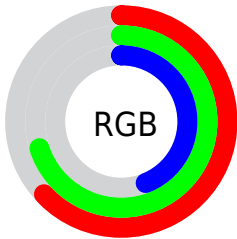
Format	Color
RYB	113, 179, 132
Decimal	10531697
CIELab	70.11, -17.62, 31.57
CIELCh	70, 36.152, 119.174
Yxy	40.9060, 0.3491, 0.4250
Android (android.graphics.Color)	4288721777 (0xFFA0B371)
YUV	165.7950, -26.0279, -5.0822
Hunter-Lab	63.9578, -18.1499, 24.6146

Details

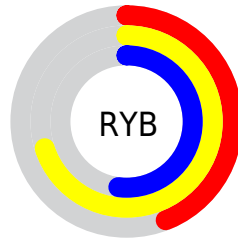
The Yxy color **40.9060, 0.3491, 0.4250** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.9642, 0.2653, 0.2249**, and the grayscale version is **38.1555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7688, 0.3432, 0.4059**, and **18.4177, 0.3567, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **40.0242, 0.3576, 0.4517**, and if you desaturate by 10%, it is **41.8929, 0.3397, 0.3979**.

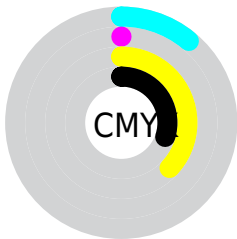
Distribution



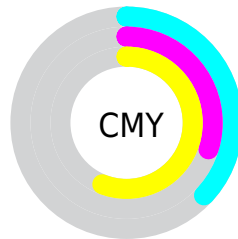
- Red (63%)
- Green (70%)
- Blue (44%)



- Red (44%)
- Yellow (70%)
- Blue (52%)



- Cyan (11%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)





- Cyan (37%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9060, 0.3491, 0.4250 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 40.9060, 0.3491, 0.4250 by changing the saturation by 10% instead.


 40.9060, 0.3491,
0.4250


 40.9060, 0.3491,
0.4250


349.9276, 0.3319,
0.3747


 28.2456, 0.3529,
0.4382


 76.5412, 0.3432,
0.4062

 18.5109, 0.3573,
0.4553


 100.2848, 0.3408,
0.3993

 11.3174, 0.3624,
0.4784

 128.4916, 0.3388,
0.3935

 6.2808, 0.3674,
0.5107

 161.5460, 0.3371,
0.3886

 3.0165, 0.3821,
0.5764

199.8324, 0.3355,
0.3844

 1.1404, 0.3572,
0.6428

243.7352, 0.3342,

 0.0122, 0.0000,

0.3807

1.0000

293.6388, 0.3330,
0.3775

■ 0.0000, 0.0000,
0.0000

■ 40.9060, 0.3491,
0.4250

■ 40.9060, 0.3491,
0.4250

■ 40.0242, 0.3576,
0.4517

■ 41.8929, 0.3397,
0.3979

■ 39.2370, 0.3645,
0.4769

■ 42.9841, 0.3297,
0.3712

■ 38.5409, 0.3696,
0.4994


■ 44.1855, 0.3196,
0.3457


■ 37.9298, 0.3723,
0.5182


■ 45.5012, 0.3096,
0.3217


■ 37.3965, 0.3725,
0.5325


■ 46.9350, 0.3001,
0.2995


 36.9311, 0.3703,
0.5422

 48.4905, 0.2910,
0.2791

 36.7939, 0.3695,
0.5448

 50.1710, 0.2825,
0.2607

 51.9032, 0.2753,
0.2451

 52.6292, 0.2791,
0.2460

Harmonies

Analogous

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



40.9060, 0.3935, 0.4122



40.9060, 0.3491, 0.4250



40.9060, 0.2971, 0.4063

Triad

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



40.9060, 0.3491, 0.4250



40.9060, 0.2180, 0.2674



40.9060, 0.3742, 0.2979

Complementary

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



40.9060, 0.3491, 0.4250



19.9642, 0.2653, 0.2249

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.



40.9060, 0.3218, 0.2660



40.9060, 0.3491, 0.4250



40.9060, 0.2343, 0.2475

Square

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



40.9060, 0.3491, 0.4250



40.9060, 0.2238, 0.3075



40.9060, 0.2708, 0.2479



40.9060, 0.4103, 0.3379

Rectangle

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



40.9060, 0.3491, 0.4250



40.9060, 0.2654, 0.3775



40.9060, 0.2708, 0.2479



40.9060, 0.3577, 0.2861

Sweetspot

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



40.9078, 0.3491, 0.4250



78.1846, 0.3239, 0.3565



27.1940, 0.3904, 0.3565



17.2581, 0.3253, 0.3599



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.



40.9078, 0.3491, 0.4250



72.0062, 0.3559, 0.4461



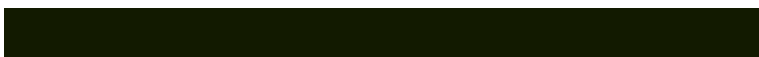
37.9660, 0.3194, 0.4347



9.7815, 0.3220, 0.3518



26.0349, 0.3701, 0.5443



0.8471, 0.3845, 0.5329

Inverse Universe

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



19.9642, 0.2653, 0.2249



29.1818, 0.2525, 0.1997



23.0285, 0.3008, 0.2348



8.3445, 0.3028, 0.3058



2.8349, 0.1699, 0.0710



0.1197, 0.2021, 0.0887

Previews

White Background



This preview shows how the Yxy color 40.9060, 0.3491, 0.4250 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 40.9060, 0.3491, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

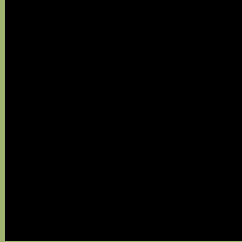
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9060, 0.3491, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 40.9060, 0.3491, 0.4250.



This preview shows how white text looks on a background with the Yxy color 40.9060, 0.3491, 0.4250.

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

40.9060, 0.3491, 0.4250

Protanopia

40.6907, 0.3803, 0.4113

Deuteranopia

40.7910, 0.3978, 0.3900



Tritanopia

40.6452, 0.3003, 0.3099

Trichromacy



Original Color

40.9060, 0.3491, 0.4250

Protanomaly

40.7669, 0.3691, 0.4164

Deuteranomaly

40.4326, 0.3800, 0.4015

Tritanomaly

40.4628, 0.3189, 0.3503

Monochromacy



Original Color

40.9060, 0.3491, 0.4250

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1249, 0.3267, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9060, 0.3491, 0.4250 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(160, 179, 113)` looks like.

```
.text, #text, p{  
    color:rgb(160, 179, 113)  
}
```

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(160, 179, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 179, 113) }
```

Border

The CSS property to change the border of an element to Yxy 40.9060, 0.3491, 0.4250 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(160, 179, 113) }
```

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

```
.border{ border-color:rgb(160, 179, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 179, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 179, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 179, 113);  
box-shadow:4px 4px 4px 4px rgb(160, 179,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9060, 0.3491, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 179, 113) }
```

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

```
.background{ background-color: rgb(160,  
179, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor