

Converting Colors

$Yxy(40.7988, 0.3380, 0.4075)$

Have a look what the booklet for
Yxy(40.7988, 0.3380, 0.4075)
contains.

Yxy(40.9900, 0.3377, 0.4081)	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(40.9900, 0.3377, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	9EB37D
RGB	158, 179, 125
RGB Percent	62%, 70%, 49%
CMY	0.3805, 0.2980, 0.5097
CMYK	0.12, 0.00, 0.30, 0.30
HSL	83°, 26%, 60%
HSV	83°, 30%, 70%
XYZ	33.9189, 40.9900, 25.5321
YIQ	166.5650, 4.8180, -21.2460

Conversions

Conversions Part 2

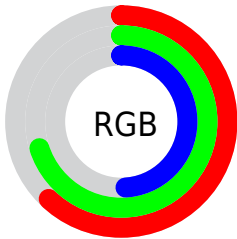
Format	Color
RYB	125, 179, 146
Decimal	10400637
CIELab	70.17, -16.76, 25.24
CIELCh	70, 30.297, 123.595
Yxy	40.9900, 0.3377, 0.4081
Android (android.graphics.Color)	4288590717 (0xFF9EB37D)
YUV	166.5650, -20.4915, -7.5115
Hunter-Lab	64.0234, -17.4736, 21.1719

Details

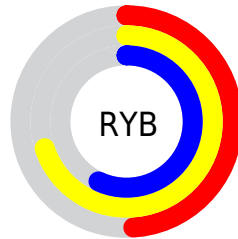
The Yxy color $40.9900, 0.3377, 0.4081$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $24.0437, 0.2812, 0.2473$, and the grayscale version is $38.5200, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.7771, 0.3335, 0.3928$, and $18.4939, 0.3443, 0.4339$ is the 20% darker color. If you saturate the color by 10%, you get $39.8874, 0.3451, 0.4364$, and if you desaturate by 10%, it is $42.2189, 0.3296, 0.3804$.

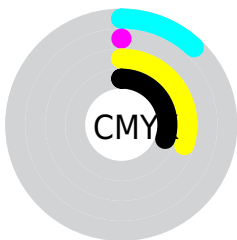
Distribution



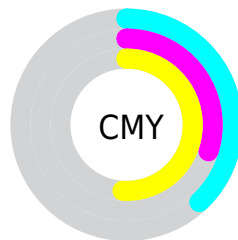
- Red (62%)
- Green (70%)
- Blue (49%)



- Red (49%)
- Yellow (70%)
- Blue (57%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (30%)




- Cyan (38%)
- Magenta (30%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9900, 0.3377, 0.4081 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 40.9900, 0.3377, 0.4081 by changing the saturation by 10% instead.

 40.9900, 0.3377,
0.4081

 40.9900, 0.3377,
0.4081


350.2788, 0.3258,
0.3665

 28.3113, 0.3404,
0.4191


 76.6687, 0.3336,
0.3925

 18.5604, 0.3436,
0.4335


 100.4375, 0.3320,
0.3868

 11.3531, 0.3473,
0.4532


 128.6717, 0.3306,
0.3821

 6.3049, 0.3515,
0.4815

161.7558, 0.3294,
0.3780

 3.0313, 0.3564,
0.5275

200.0742, 0.3283,
0.3745

 1.1481, 0.3653,
0.6347

244.0112, 0.3274,

 0.0187, 0.0000,

0.3715

1.0000

293.9513, 0.3266,
0.3689

0.0000, 0.0000,
0.0000

40.9900, 0.3377,
0.4081

40.9900, 0.3377,
0.4081

39.8874, 0.3451,
0.4364

42.2189, 0.3296,
0.3804

38.9004, 0.3513,
0.4642

43.5733, 0.3212,
0.3540

38.0255, 0.3560,
0.4905

45.0595, 0.3128,
0.3294


37.2565, 0.3586,
0.5140


46.6818, 0.3047,
0.3067


36.5866, 0.3588,
0.5334

48.4441, 0.2968,
0.2860


 36.0079, 0.3567,
0.5479

 50.3503, 0.2894,
0.2673

 35.5117, 0.3529,
0.5580

 52.4040, 0.2825,
0.2505

 53.7272, 0.2846,
0.2473

 54.7979, 0.2898,
0.2485

Harmonies

Analogous

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



40.9900, 0.3765, 0.4022



40.9900, 0.3377, 0.4081



40.9900, 0.2939, 0.3883

Triad

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



40.9900, 0.3377, 0.4081



40.9900, 0.2330, 0.2738



40.9900, 0.3699, 0.3077

Complementary

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



40.9900, 0.3377, 0.4081



24.0437, 0.2812, 0.2473

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.



40.9900, 0.3274, 0.2788



40.9900, 0.3377, 0.4081



40.9900, 0.2498, 0.2588

Square

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



40.9900, 0.3377, 0.4081



40.9900, 0.2353, 0.3058



40.9900, 0.2834, 0.2612



40.9900, 0.3967, 0.3427

Rectangle

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



40.9900, 0.3377, 0.4081



40.9900, 0.2678, 0.3631



40.9900, 0.2834, 0.2612



40.9900, 0.3568, 0.2971

Sweetspot

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



40.9918, 0.3377, 0.4081



78.2860, 0.3204, 0.3515



31.5365, 0.3703, 0.3590



17.2628, 0.3216, 0.3552



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.



40.9918, 0.3377, 0.4081



72.1059, 0.3426, 0.4263



38.5764, 0.3139, 0.4142



9.7381, 0.3205, 0.3519



25.1294, 0.3537, 0.5574



0.8232, 0.3723, 0.5426

Inverse Universe

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



24.0437, 0.2812, 0.2473



37.0015, 0.2727, 0.2277



26.7787, 0.3093, 0.2538



8.3862, 0.3044, 0.3059



3.2488, 0.1842, 0.0788



0.1365, 0.2180, 0.0975

Previews

White Background



This preview shows how the Yxy color 40.9900, 0.3377, 0.4081 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 40.9900, 0.3377, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

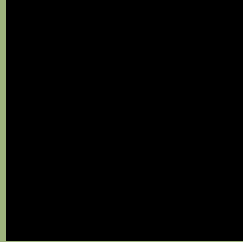
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9900, 0.3377, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 40.9900, 0.3377, 0.4081.



This preview shows how white text looks on a background with the Yxy color 40.9900, 0.3377, 0.4081.

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

40.9900, 0.3377, 0.4081

Protanopia

40.8452, 0.3690, 0.3957

Deuteranopia

40.6660, 0.3835, 0.3756



Tritanopia

40.7356, 0.2970, 0.3098

Trichromacy



Original Color

40.9900, 0.3377, 0.4081

Protanomaly

40.8161, 0.3571, 0.4005

Deuteranomaly

40.3473, 0.3663, 0.3862

Tritanomaly

40.7030, 0.3120, 0.3446

Monochromacy



Original Color

40.9900, 0.3377, 0.4081

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2853, 0.3224, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9900, 0.3377, 0.4081 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(158, 179, 125)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 125)  
}
```

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(158, 179, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 125) }
```

Border

The CSS property to change the border of an element to Yxy 40.9900, 0.3377, 0.4081 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(158, 179, 125) }
```

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

```
.border{ border-color:rgb(158, 179, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 125);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9900, 0.3377, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 125) }
```

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

```
.background{ background-color: rgb(158,  
179, 125) }
```

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