

Converting Colors

$Y_{xy}(41.2041, 0.4245, 0.3541)$

Have a look what the booklet for
Yxy(41.2041, 0.4245, 0.3541)
contains.

Yxy(41.2041, 0.4245, 0.3541)	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(41.2041, 0.4245, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	EC9680
RGB	236, 150, 128
RGB Percent	93%, 59%, 50%
CMY	0.0745, 0.4118, 0.4981
CMYK	0.00, 0.36, 0.46, 0.07
HSL	12°, 74%, 71%
HSV	12°, 46%, 93%
XYZ	49.3960, 41.2041, 25.7627
YIQ	173.2060, 58.3180, 11.3900

Conversions

Conversions Part 2

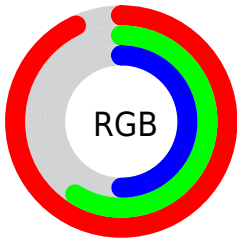
Format	Color
R_{YB}	236, 156, 128
Decimal	15505024
CIE Lab	70.32, 29.93, 25.12
CIE LCh	70, 39.079, 40.009
Yxy	41.2041, 0.4245, 0.3541
Android (android.graphics.Color)	4293695104 (0xFFEC9680)
YUV	173.2060, -22.2866, 55.0703
Hunter-Lab	64.1904, 25.0267, 21.1373

Details

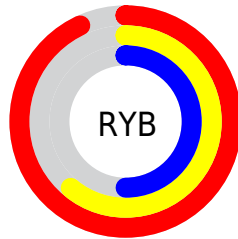
The Yxy color **41.2041, 0.4245, 0.3541** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **58.7286, 0.2466, 0.3012**, and the grayscale version is **41.9937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2588, 0.3704, 0.3540**, and **18.6470, 0.4572, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **35.1319, 0.4619, 0.3586**, and if you desaturate by 10%, it is **48.3864, 0.3919, 0.3487**.

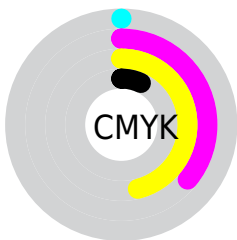
Distribution



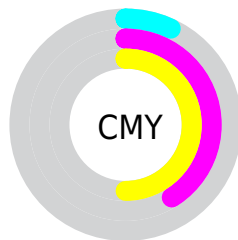
- Red (93%)
- Green (59%)
- Blue (50%)



- Red (93%)
- Yellow (61%)
- Blue (50%)



- Cyan (0%)
- Magenta (36%)
- Yellow (46%)
- Black (7%)





- Cyan (7%)
- Magenta (41%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2041, 0.4245, 0.3541 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 41.2041, 0.4245, 0.3541 by changing the saturation by 10% instead.

 41.2041, 0.4245,
0.3541

 41.2041, 0.4245,
0.3541

351.1729, 0.3670,
0.3439


 28.4786, 0.4391,
0.3558


 76.9936, 0.4034,
0.3510

 18.6867, 0.4579,
0.3573


 100.8264, 0.3955,
0.3497

 11.4441, 0.4827,
0.3583


 129.1305, 0.3889,
0.3485

 6.3664, 0.5169,
0.3577

162.2902, 0.3832,
0.3474

 3.0691, 0.5672,
0.3531

200.6898, 0.3783,
0.3464

 1.1679, 0.6574,
0.3426

244.7139, 0.3741,

 0.0353, 0.9559,

0.3455

0.0441

294.7468, 0.3703,
0.3446

0.0000, 0.0000,
0.0000

41.2041, 0.4245,
0.3541

41.2041, 0.4245,
0.3541

35.1319, 0.4619,
0.3586

48.3864, 0.3919,
0.3487

30.1077, 0.5028,
0.3612

56.7244, 0.3643,
0.3430

26.0726, 0.5442,
0.3609

66.2688, 0.3412,
0.3373

22.9591, 0.5815,
0.3571

77.0653, 0.3222,
0.3319

20.6905, 0.6099,
0.3499

89.1572, 0.3064,
0.3269

■ 19.9585, 0.6192,
0.3466

■ 96.5747, 0.3011,
0.3290

Harmonies

Analogous

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



41.2041, 0.3962, 0.3102



41.2041, 0.4245, 0.3541



41.2041, 0.4190, 0.3965

Triad

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



41.2041, 0.4245, 0.3541



41.2041, 0.2765, 0.3973



41.2041, 0.2404, 0.2396

Complementary

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



41.2041, 0.4245, 0.3541



58.7286, 0.2466, 0.3012

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.



41.2041, 0.2150, 0.2524



41.2041, 0.4245, 0.3541



41.2041, 0.2338, 0.3413

Square

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



41.2041, 0.4245, 0.3541



41.2041, 0.3313, 0.4300



41.2041, 0.2125, 0.2876



41.2041, 0.2860, 0.2473

Rectangle

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



41.2041, 0.4245, 0.3541



41.2041, 0.3982, 0.4189



41.2041, 0.2125, 0.2876



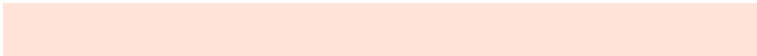
41.2041, 0.2295, 0.2414

Sweetspot

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



41.2062, 0.4245, 0.3541



81.0984, 0.3377, 0.3364



38.1422, 0.3385, 0.2369



16.7922, 0.3422, 0.3376



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.2062, 0.4245, 0.3541



42.2410, 0.4598, 0.3583



62.3884, 0.3955, 0.4113



15.5514, 0.3288, 0.3339



11.1476, 0.6167, 0.3485



1.0094, 0.5909, 0.3690

Inverse Universe

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



58.7286, 0.2466, 0.3012



65.4606, 0.2357, 0.2944



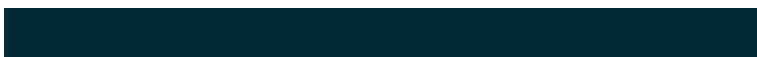
35.9196, 0.2337, 0.2288



16.5699, 0.2981, 0.3241



23.3257, 0.2062, 0.2623



1.9632, 0.2090, 0.2725

Previews

White Background



This preview shows how the Yxy color 41.2041, 0.4245, 0.3541 looks on a white background.

Color Contrast Check

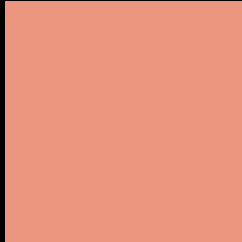
Large Text (above 18pt) WCAG AA × Fail

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 41.2041, 0.4245, 0.3541 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 41.2041, 0.4245, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 41.2041, 0.4245, 0.3541.



This preview shows how white text looks on a background with the Yxy color 41.2041, 0.4245, 0.3541.

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

41.2041, 0.4245, 0.3541

Protanopia

41.4073, 0.3525, 0.3755

Deuteranopia

41.2283, 0.3879, 0.3802



Tritanopia

41.1692, 0.3974, 0.3169

Trichromacy



Original Color

41.2041, 0.4245, 0.3541

Protanomaly

40.8287, 0.3778, 0.3679

Deuteranomaly

41.2469, 0.4014, 0.3708

Tritanomaly

40.9473, 0.4079, 0.3304

Monochromacy



Original Color

41.2041, 0.4245, 0.3541

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.0804, 0.3497, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2041, 0.4245, 0.3541 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(236, 150, 128)` looks like.

```
.text, #text, p{  
    color:rgb(236, 150, 128)  
}
```

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(236, 150, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 150, 128) }
```

Border

The CSS property to change the border of an element to Yxy 41.2041, 0.4245, 0.3541 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(236, 150, 128) }
```

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

```
.border{ border-color:rgb(236, 150, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 150, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 150, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 150, 128);  
box-shadow:4px 4px 4px 4px rgb(236, 150,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2041, 0.4245, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 150, 128) }
```

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

```
.background{ background-color: rgb(236,  
150, 128) }
```

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