

Converting Colors

$Yxy(74.7939, 0.3235, 0.3654)$

Have a look what the booklet for
Yxy(74.7939, 0.3235, 0.3654)
contains.

Yxy(75.0719, 0.3234, 0.3657)	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(75.0719, 0.3234, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	D7E6C5
RGB	215, 230, 197
RGB Percent	84%, 90%, 77%
CMY	0.1571, 0.0980, 0.2274
CMYK	0.07, 0.00, 0.14, 0.10
HSL	87°, 40%, 84%
HSV	87°, 14%, 90%
XYZ	66.3884, 75.0719, 63.8224
YIQ	221.7530, 1.6530, -13.4430

Conversions

Conversions Part 2

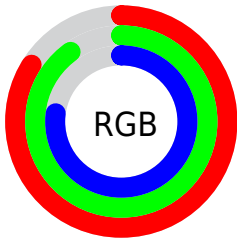
Format	Color
RYB	197, 230, 212
Decimal	14149317
CIELab	89.43, -10.79, 14.39
CIELCh	89, 17.990, 126.874
Yxy	75.0719, 0.3234, 0.3657
Android (android.graphics.Color)	4292339397 (0xFFD7E6C5)
YUV	221.7530, -12.2032, -5.9224
Hunter-Lab	86.6440, -14.8567, 16.9775

Details

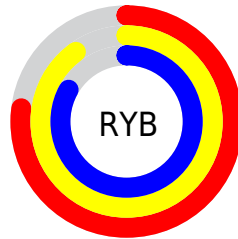
The Yxy color **75.0719, 0.3234, 0.3657** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.6636, 0.3008, 0.2921**, and the grayscale version is **72.9472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **40.1167, 0.3257, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **72.5607, 0.3307, 0.3936**, and if you desaturate by 10%, it is **77.8527, 0.3159, 0.3397**.

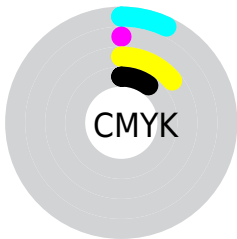
Distribution



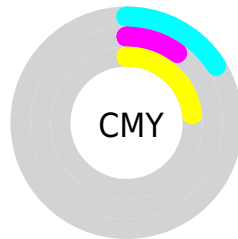
- Red (84%)
- Green (90%)
- Blue (77%)



- Red (77%)
- Yellow (90%)
- Blue (83%)



- Cyan (7%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (16%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0719, 0.3234, 0.3657 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 75.0719, 0.3234, 0.3657 by changing the saturation by 10% instead.


 75.0719, 0.3234,
0.3657

 75.0719, 0.3234,
0.3657


478.1647, 0.3187,
0.3485

 55.6718, 0.3244,
0.3697


126.4141, 0.3218,
0.3597

 39.9398, 0.3257,
0.3747


159.1251, 0.3212,
0.3574

 27.4916, 0.3272,
0.3810


197.0417, 0.3206,
0.3554

 17.9428, 0.3292,
0.3893

240.5485, 0.3201,
0.3536

 10.9089, 0.3317,
0.4009

290.0298, 0.3197,
0.3521

 6.0056, 0.3349,
0.4177

345.8700, 0.3193,

 2.8485, 0.3392,

0.3508

0.4446

408.4535, 0.3190,
0.3496

■ 1.0532, 0.3810,
0.5509

■ 0.0000, 0.0000,
0.0000

■ 75.0719, 0.3234,
0.3657

■ 75.0719, 0.3234,
0.3657

■ 72.5607, 0.3307,
0.3936

■ 77.8527, 0.3159,
0.3397

■ 70.3000, 0.3374,
0.4227

■ 80.9018, 0.3086,
0.3158

■ 68.2834, 0.3433,
0.4522

■ 83.5006, 0.3081,
0.3044

■ 66.5003, 0.3477,
0.4811

■ 85.0843, 0.3138,
0.3049

■ 64.9393, 0.3503,
0.5077

■ 63.5875, 0.3508,
0.5307

■ 62.4306, 0.3488,
0.5489

■ 61.4513, 0.3447,
0.5616

■ 60.9621, 0.3418,
0.5668

Harmonies

Analogous

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



75.0719, 0.3426, 0.3656



75.0719, 0.3234, 0.3657



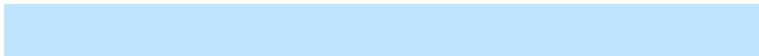
75.0719, 0.3019, 0.3550

Triad

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



75.0719, 0.3234, 0.3657



75.0719, 0.2731, 0.3011



75.0719, 0.3423, 0.3208

Complementary

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



75.0719, 0.3234, 0.3657



59.6636, 0.3008, 0.2921

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.



75.0719, 0.3227, 0.3050



75.0719, 0.3234, 0.3657



75.0719, 0.2830, 0.2936

Square

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



75.0719, 0.3234, 0.3657



75.0719, 0.2733, 0.3167



75.0719, 0.3010, 0.2951



75.0719, 0.3538, 0.3390

Rectangle

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



75.0719, 0.3234, 0.3657



75.0719, 0.2891, 0.3432



75.0719, 0.3010, 0.2951



75.0719, 0.3364, 0.3150

Sweetspot

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



75.0752, 0.3234, 0.3657



98.4875, 0.3157, 0.3389



67.8785, 0.3370, 0.3453



21.0208, 0.3163, 0.3408



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.



75.0752, 0.3234, 0.3657



93.9524, 0.3254, 0.3732



72.7326, 0.3121, 0.3670



16.4729, 0.3198, 0.3527



34.5804, 0.3428, 0.5660



2.6104, 0.3534, 0.5576

Inverse Universe

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



59.6636, 0.3008, 0.2921



71.1957, 0.2982, 0.2845



62.2079, 0.3131, 0.2935



14.2079, 0.3051, 0.3052



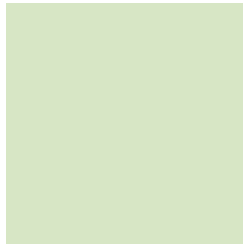
5.0069, 0.1944, 0.0845



0.4246, 0.2107, 0.0934

Previews

White Background



This preview shows how the Yxy color 75.0719, 0.3234, 0.3657 looks on a white background.

Color Contrast Check

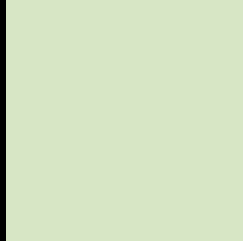
Large Text (above 18pt) WCAG AA × Fail

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 75.0719, 0.3234, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

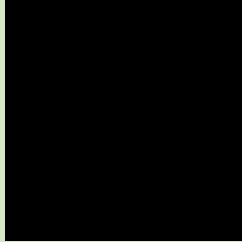
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

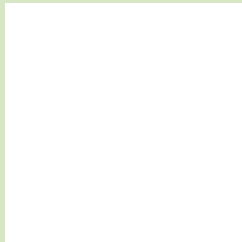
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0719, 0.3234, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 75.0719, 0.3234, 0.3657.

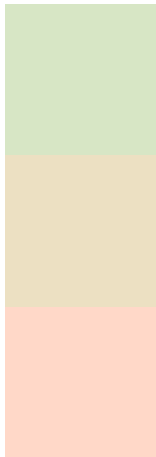


This preview shows how white text looks on a background with the Yxy color 75.0719, 0.3234, 0.3657.

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

75.0719, 0.3234, 0.3657

Protanopia

75.0392, 0.3416, 0.3611

Deuteranopia

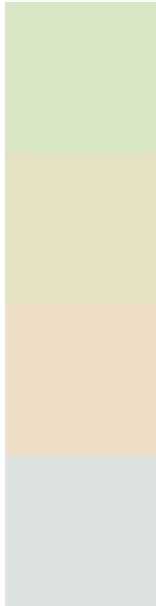
74.5419, 0.3532, 0.3455



Tritanopia

75.1918, 0.3005, 0.3110

Trichromacy



Original Color

75.0719, 0.3234, 0.3657

Protanomaly

74.8268, 0.3347, 0.3627

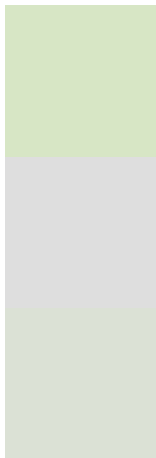
Deuteranomaly

74.3617, 0.3416, 0.3523

Tritanomaly

74.8890, 0.3085, 0.3301

Monochromacy



Original Color

75.0719, 0.3234, 0.3657

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.7146, 0.3163, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0719, 0.3234, 0.3657 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(215, 230, 197)` looks like.

```
.text, #text, p{  
    color:rgb(215, 230, 197)  
}
```

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(215, 230, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 230, 197) }
```

Border

The CSS property to change the border of an element to Yxy 75.0719, 0.3234, 0.3657 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(215, 230, 197) }
```

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

```
.border{ border-color:rgb(215, 230, 197) }
```

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

Here you see how a box with a 4 pixel rgb(215, 230, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 230, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 230, 197);  
box-shadow:4px 4px 4px 4px rgb(215, 230,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0719, 0.3234, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 230, 197) }
```

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

```
.background{ background-color: rgb(215,  
230, 197) }
```

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