

Converting Colors

$Yxy(45.7381, 0.3342, 0.4178)$

Have a look what the booklet for
Yxy(45.7381, 0.3342, 0.4178)
contains.

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Color

Yxy(45.7564, 0.3337, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	9FBE80
RGB	159, 190, 128
RGB Percent	62%, 75%, 50%
CMY	0.3765, 0.2549, 0.4979
CMYK	0.16, 0.00, 0.33, 0.25
HSL	90°, 32%, 62%
HSV	90°, 33%, 75%
XYZ	36.6073, 45.7564, 27.3376
YIQ	173.6630, 1.4260, -25.8540

Conversions

Conversions Part 2

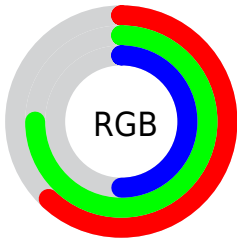
Format	Color
RYB	128, 190, 159
Decimal	10468992
CIELab	73.39, -21.50, 27.94
CIELCh	73, 35.260, 127.579
Yxy	45.7564, 0.3337, 0.4171
Android (android.graphics.Color)	4288659072 (0xFF9FBE80)
YUV	173.6630, -22.5119, -12.8595
Hunter-Lab	67.6435, -21.7754, 23.3889

Details

The Yxy color **45.7564, 0.3337, 0.4171** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.5440, 0.2846, 0.2412**, and the grayscale version is **42.2636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5439, 0.3306, 0.4002**, and **21.5672, 0.3381, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **44.3685, 0.3390, 0.4468**, and if you desaturate by 10%, it is **47.3168, 0.3276, 0.3881**.

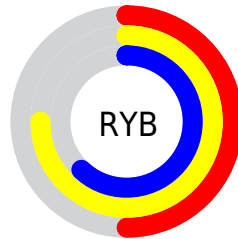
Distribution



Red (62%)

Green (75%)

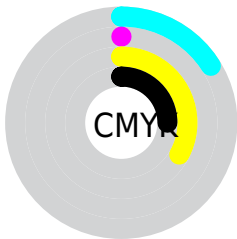
Blue (50%)



Red (50%)

Yellow (75%)

Blue (62%)

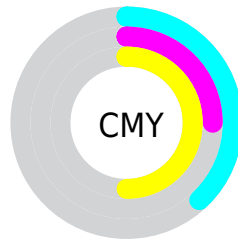


Cyan (16%)

Magenta (0%)

Yellow (33%)

Black (25%)



Cyan (38%)


Magenta (25%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7564, 0.3337, 0.4171 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 45.7564, 0.3337, 0.4171 by changing the saturation by 10% instead.


 45.7564, 0.3337,
0.4171

 45.7564, 0.3337,
0.4171


369.8284, 0.3243,
0.3713

 32.0536, 0.3356,
0.4290


 83.8543, 0.3306,
0.4001

 21.4025, 0.3377,
0.4444


 109.0182, 0.3293,
0.3938

 13.4185, 0.3399,
0.4653


 138.7714, 0.3282,
0.3886

 7.7174, 0.3417,
0.4949

173.4980, 0.3273,
0.3841

 3.9146, 0.3415,
0.5393

213.5827, 0.3264,
0.3802

 1.6259, 0.3523,
0.6477

259.4097, 0.3256,

 0.3750, 0.0000,

0.3769

1.0000

311.3635, 0.3249,
0.3739

0.0000, 0.0000,
0.0000

45.7564, 0.3337,
0.4171

45.7564, 0.3337,
0.4171

44.3685, 0.3390,
0.4468

47.3168, 0.3276,
0.3881

43.1403, 0.3430,
0.4763

49.0502, 0.3211,
0.3607

42.0662, 0.3454,
0.5040


50.9647, 0.3145,
0.3353


41.1380, 0.3458,
0.5286


53.0661, 0.3079,
0.3120


40.3465, 0.3440,
0.5486

55.3597, 0.3015,
0.2910

 39.6809, 0.3401,
0.5632

 57.8508, 0.2954,
0.2722

 39.2562, 0.3364,
0.5711

 60.1490, 0.2937,
0.2610

 61.7259, 0.3007,
0.2624

 63.3894, 0.3078,
0.2638

Harmonies

Analogous

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



45.7564, 0.3787, 0.4133



45.7564, 0.3337, 0.4171



45.7564, 0.2851, 0.3911

Triad

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



45.7564, 0.3337, 0.4171



45.7564, 0.2254, 0.2638



45.7564, 0.3822, 0.3099

Complementary

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



45.7564, 0.3337, 0.4171



26.5440, 0.2846, 0.2412

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.



45.7564, 0.3357, 0.2768



45.7564, 0.3337, 0.4171



45.7564, 0.2466, 0.2503

Square

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



45.7564, 0.3337, 0.4171



45.7564, 0.2251, 0.2968



45.7564, 0.2858, 0.2555



45.7564, 0.4091, 0.3489

Rectangle

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



45.7564, 0.3337, 0.4171



45.7564, 0.2573, 0.3610



45.7564, 0.2858, 0.2555



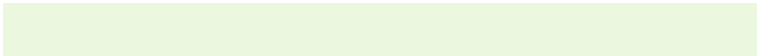
45.7564, 0.3682, 0.2979

Sweetspot

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



45.7584, 0.3337, 0.4171



89.6993, 0.3195, 0.3543



37.3117, 0.3735, 0.3712



19.5921, 0.3204, 0.3580



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.7584, 0.3337, 0.4171



81.1160, 0.3375, 0.4379



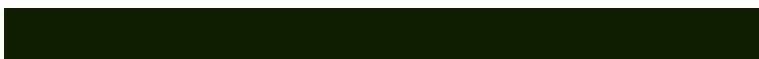
42.9814, 0.3082, 0.4243



10.8773, 0.3189, 0.3522



26.1479, 0.3373, 0.5704



1.0631, 0.3560, 0.5556

Inverse Universe

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



26.5440, 0.2846, 0.2412



40.9993, 0.2769, 0.2205



30.1146, 0.3165, 0.2491



9.4536, 0.3060, 0.3058



4.1408, 0.2036, 0.0895



0.2011, 0.2303, 0.1042

Previews

White Background



This preview shows how the Yxy color 45.7564, 0.3337, 0.4171 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 45.7564, 0.3337, 0.4171 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 45.7564, 0.3337, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 45.7564, 0.3337, 0.4171.



This preview shows how white text looks on a background with the Yxy color 45.7564, 0.3337, 0.4171.

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

45.7564, 0.3337, 0.4171

Protanopia

45.5671, 0.3722, 0.4018

Deuteranopia

45.3171, 0.3869, 0.3782



Tritanopia

45.4683, 0.2914, 0.3092

Trichromacy



Original Color

45.7564, 0.3337, 0.4171

Protanomaly

45.5854, 0.3576, 0.4085

Deuteranomaly

45.2163, 0.3658, 0.3918

Tritanomaly

45.2206, 0.3069, 0.3468

Monochromacy



Original Color

45.7564, 0.3337, 0.4171

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5119, 0.3216, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7564, 0.3337, 0.4171 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(159, 190, 128)` looks like.

```
.text, #text, p{  
    color:rgb(159, 190, 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(159, 190, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 190, 128) }
```

Border

The CSS property to change the border of an element to Yxy 45.7564, 0.3337, 0.4171 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(159, 190, 128) }
```

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

```
.border{ border-color:rgb(159, 190, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 190, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 190, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 190, 128); box-shadow:4px 4px 4px 4px rgb(159, 190, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7564, 0.3337, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 190, 128) }
```

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

```
.background{ background-color: rgb(159,  
190, 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](#).

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