

Converting Colors

$Y_{xy}(45.8526, 0.3156, 0.4064)$

Have a look what the booklet for
Yxy(45.8526, 0.3156, 0.4064)
contains.

Yxy(45.7664, 0.3154, 0.4061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7664, 0.3154, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	93C08B
RGB	147, 192, 139
RGB Percent	58%, 75%, 55%
CMY	0.4235, 0.2471, 0.4549
CMYK	0.23, 0.00, 0.28, 0.25
HSL	111°, 30%, 65%
HSV	111°, 28%, 75%
XYZ	35.5447, 45.7664, 31.3862
YIQ	172.5030, -9.8070, -26.0230

Conversions

Conversions Part 2

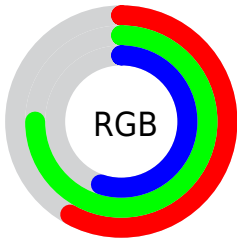
Format	Color
RYB	139, 192, 184
Decimal	9683083
CIELab	73.39, -25.09, 22.01
CIELCh	73, 33.373, 138.735
Yxy	45.7664, 0.3154, 0.4061
Android (android.graphics.Color)	4287873163 (0xFF93C08B)
YUV	172.5030, -16.5170, -22.3661
Hunter-Lab	67.6509, -24.6025, 19.8484

Details

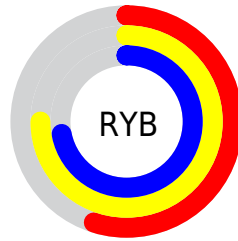
The Yxy color **45.7664, 0.3154, 0.4061** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4596, 0.3079, 0.2595**, and the grayscale version is **41.6149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1582, 0.3154, 0.3912**, and **21.3311, 0.3142, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **43.8539, 0.3157, 0.4389**, and if you desaturate by 10%, it is **47.9948, 0.3146, 0.3756**.

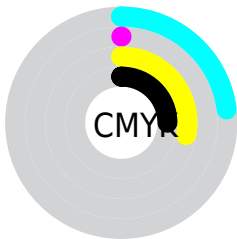
Distribution



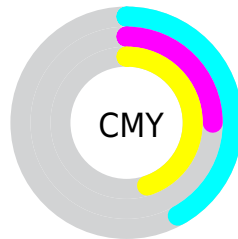
- Red (58%)
- Green (75%)
- Blue (55%)



- Red (55%)
- Yellow (75%)
- Blue (72%)



- Cyan (23%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)




- Cyan (42%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7664, 0.3154, 0.4061 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 45.7664, 0.3154, 0.4061 by changing the saturation by 10% instead.


 45.7664, 0.3154,
0.4061


 45.7664, 0.3154,
0.4061


369.8687, 0.3150,
0.3658

 32.0615, 0.3152,
0.4167


 83.8693, 0.3155,
0.3911

 21.4085, 0.3147,
0.4306


 109.0361, 0.3154,
0.3855

 13.4229, 0.3136,
0.4496


 138.7923, 0.3154,
0.3809

 7.7204, 0.3112,
0.4770

173.5224, 0.3153,
0.3770

 3.9166, 0.3057,
0.5196

213.6106, 0.3152,
0.3736

 1.6270, 0.3188,
0.6509

259.4415, 0.3151,

 0.3757, 0.0000,

0.3707

1.0000

311.3994, 0.3150,
0.3681

0.0000, 0.0000,
0.0000

45.7664, 0.3154,
0.4061

45.7664, 0.3154,
0.4061

43.8539, 0.3157,
0.4389

47.9948, 0.3146,
0.3756

42.2374, 0.3155,
0.4730

50.5464, 0.3136,
0.3480

40.9036, 0.3147,
0.5067

53.4355, 0.3124,
0.3234

39.8360, 0.3130,
0.5377


56.6740, 0.3111,
0.3018


39.0163, 0.3107,
0.5638


60.2731, 0.3098,
0.2829

 38.4237, 0.3078,
0.5829

 64.2433, 0.3085,
0.2666

 38.0321, 0.3048,
0.5945

 66.1795, 0.3156,
0.2673

 37.9614, 0.3042,
0.5966

Harmonies

Analogous

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



45.7664, 0.3608, 0.4132



45.7664, 0.3154, 0.4061



45.7664, 0.2713, 0.3725

Triad

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



45.7664, 0.3154, 0.4061



45.7664, 0.2350, 0.2602



45.7664, 0.3908, 0.3246

Complementary

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



45.7664, 0.3154, 0.4061



32.4596, 0.3079, 0.2595

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.



45.7664, 0.3522, 0.2901



45.7664, 0.3154, 0.4061



45.7664, 0.2621, 0.2540

Square

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



45.7664, 0.3154, 0.4061



45.7664, 0.2271, 0.2850



45.7664, 0.3043, 0.2650



45.7664, 0.4066, 0.3621

Rectangle

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



45.7664, 0.3154, 0.4061



45.7664, 0.2483, 0.3417



45.7664, 0.3043, 0.2650



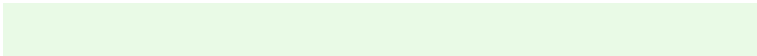
45.7664, 0.3799, 0.3124

Sweetspot

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



45.7684, 0.3154, 0.4061



91.3293, 0.3137, 0.3493



47.0067, 0.3567, 0.3866



19.4352, 0.3138, 0.3534



97.7402, 0.3127, 0.3290



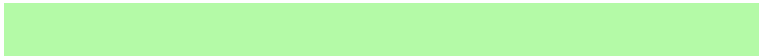
20.4902, 0.3127, 0.3290

Same Dimension

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



45.7684, 0.3154, 0.4061



80.8074, 0.3157, 0.4253



45.6115, 0.2967, 0.3806



11.3303, 0.3138, 0.3526



25.5655, 0.3048, 0.5962



1.1284, 0.3173, 0.5862

Inverse Universe

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



32.4596, 0.3079, 0.2595



52.7700, 0.3065, 0.2443



32.7411, 0.3335, 0.2825



10.1679, 0.3114, 0.3061



7.8243, 0.2834, 0.1335



0.3594, 0.2922, 0.1384

Previews

White Background



This preview shows how the Yxy color 45.7664, 0.3154, 0.4061 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 45.7664, 0.3154, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

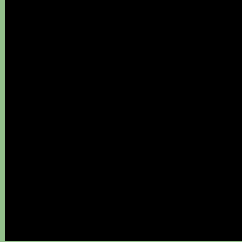
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7664, 0.3154, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 45.7664, 0.3154, 0.4061.



This preview shows how white text looks on a background with the Yxy color 45.7664, 0.3154, 0.4061.

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

45.7664, 0.3154, 0.4061

Protanopia

45.2711, 0.3641, 0.3892

Deuteranopia

45.4256, 0.3727, 0.3665



Tritanopia

45.5726, 0.2802, 0.3088

Trichromacy



Original Color

45.7664, 0.3154, 0.4061

Protanomaly

45.2604, 0.3450, 0.3961

Deuteranomaly

45.0346, 0.3496, 0.3798

Tritanomaly

45.4873, 0.2928, 0.3429

Monochromacy



Original Color

45.7664, 0.3154, 0.4061

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1082, 0.3140, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7664, 0.3154, 0.4061 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(147, 192, 139)` looks like.

```
.text, #text, p{  
    color:rgb(147, 192, 139)  
}
```

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(147, 192, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 192, 139) }
```

Border

The CSS property to change the border of an element to Yxy 45.7664, 0.3154, 0.4061 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(147, 192, 139) }
```

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

```
.border{ border-color:rgb(147, 192, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 192, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 192, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 192, 139); box-shadow:4px 4px 4px 4px rgb(147, 192, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7664, 0.3154, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 192, 139) }
```

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

```
.background{ background-color: rgb(147,  
192, 139) }
```

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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