

Converting Colors

$Y_{xy}(45.8334, 0.3145, 0.3621)$

Have a look what the booklet for
Yxy(45.8334, 0.3145, 0.3621)
contains.

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Color

Yxy(45.8334, 0.3145, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	A6BAA2
RGB	166, 186, 162
RGB Percent	65%, 73%, 64%
CMY	0.3490, 0.2706, 0.3647
CMYK	0.11, 0.00, 0.13, 0.27
HSL	110°, 15%, 68%
HSV	110°, 13%, 73%
XYZ	39.8084, 45.8334, 40.9349
YIQ	177.2840, -4.2160, -11.7040

Conversions

Conversions Part 2

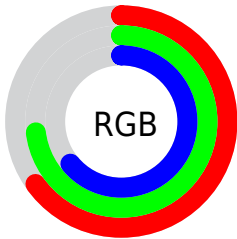
Format	Color
R _{YB}	162, 186, 182
Decimal	10926754
CIE Lab	73.44, -11.41, 9.86
CIE LCh	73, 15.077, 139.183
Yxy	45.8334, 0.3145, 0.3621
Android (android.graphics.Color)	4289116834 (0xFFA6BAA2)
YUV	177.2840, -7.5350, -9.8961
Hunter-Lab	67.7004, -13.5162, 11.5407

Details

The Yxy color $45.8334, 0.3145, 0.3621$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $39.3345, 0.3105, 0.2973$, and the grayscale version is $44.1675, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.8862, 0.3141, 0.3556$, and $21.4783, 0.3152, 0.3731$ is the 20% darker color. If you saturate the color by 10%, you get $43.6466, 0.3156, 0.3912$, and if you desaturate by 10%, it is $48.3239, 0.3131, 0.3360$.

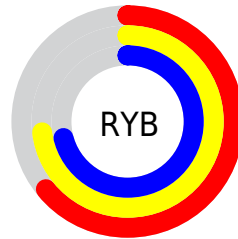
Distribution



Red (65%)

Green (73%)

Blue (64%)



Red (64%)

Yellow (73%)

Blue (71%)

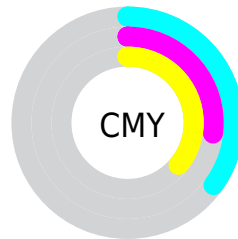


Cyan (11%)

Magenta (0%)

Yellow (13%)

Black (27%)



Cyan (35%)


Magenta (27%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8334, 0.3145, 0.3621 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 45.8334, 0.3145, 0.3621 by changing the saturation by 10% instead.


 45.8334, 0.3145,
0.3621


 45.8334, 0.3145,
0.3621


370.1385, 0.3138,
0.3452

 32.1144, 0.3146,
0.3665


 83.9696, 0.3143,
0.3559

 21.4489, 0.3148,
0.3721


 109.1556, 0.3142,
0.3535

 13.4525, 0.3149,
0.3798


138.9327, 0.3141,
0.3516

 7.7409, 0.3149,
0.3908

173.6852, 0.3140,
0.3499

 3.9296, 0.3147,
0.4078

213.7977, 0.3139,
0.3485

 1.6343, 0.3134,
0.4375

259.6545, 0.3139,

 0.3805, 0.1793,

0.3472

0.8207

311.6399, 0.3138,
0.3461

0.0000, 0.0000,
0.0000

45.8334, 0.3145,
0.3621

45.8334, 0.3145,
0.3621

43.6466, 0.3156,
0.3912

48.3239, 0.3131,
0.3360

41.7460, 0.3164,
0.4228

51.1229, 0.3117,
0.3129

40.1217, 0.3167,
0.4562

54.2427, 0.3101,
0.2926

38.7604, 0.3163,
0.4901

57.6931, 0.3086,
0.2749

37.6481, 0.3151,
0.5225

61.4828, 0.3071,
0.2596

■ 36.7693, 0.3131,
0.5511

■ 63.5983, 0.3159,
0.2614

■ 36.1067, 0.3104,
0.5737

■ 35.6406, 0.3072,
0.5889

■ 35.4098, 0.3051,
0.5960

Harmonies

Analogous

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



45.8334, 0.3351, 0.3665



45.8334, 0.3145, 0.3621



45.8334, 0.2939, 0.3478

Triad

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



45.8334, 0.3145, 0.3621



45.8334, 0.2764, 0.2973



45.8334, 0.3478, 0.3282

Complementary

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



45.8334, 0.3145, 0.3621



39.3345, 0.3105, 0.2973

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.



45.8334, 0.3311, 0.3111



45.8334, 0.3145, 0.3621



45.8334, 0.2899, 0.2935

Square

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



45.8334, 0.3145, 0.3621



45.8334, 0.2724, 0.3098



45.8334, 0.3098, 0.2986



45.8334, 0.3548, 0.3460

Rectangle

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



45.8334, 0.3145, 0.3621



45.8334, 0.2829, 0.3350



45.8334, 0.3098, 0.2986



45.8334, 0.3431, 0.3222

Sweetspot

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



45.8354, 0.3145, 0.3621



87.0334, 0.3133, 0.3389



46.3416, 0.3324, 0.3548



19.0877, 0.3134, 0.3408



95.5105, 0.3127, 0.3290



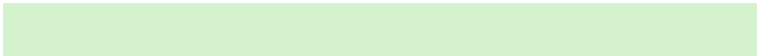
19.5994, 0.3127, 0.3290

Same Dimension

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



45.8354, 0.3145, 0.3621



82.0980, 0.3148, 0.3687



45.6881, 0.3054, 0.3516



10.1301, 0.3140, 0.3524



23.8450, 0.3056, 0.5955



0.8631, 0.3210, 0.5833

Inverse Universe

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



39.3345, 0.3105, 0.2973



68.3919, 0.3100, 0.2914



39.5140, 0.3209, 0.3074



9.0849, 0.3112, 0.3063



7.1004, 0.2796, 0.1314



0.2707, 0.2909, 0.1376

Previews

White Background



This preview shows how the Yxy color 45.8334, 0.3145, 0.3621 looks on a white background.

Color Contrast Check

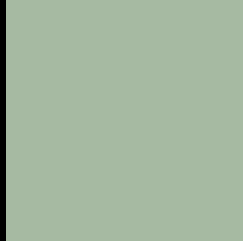
Large Text (above 18pt) WCAG AA × Fail

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 45.8334, 0.3145, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

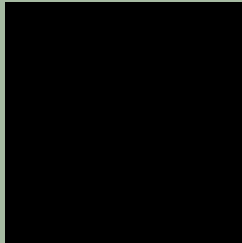
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8334, 0.3145, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 45.8334, 0.3145, 0.3621.



This preview shows how white text looks on a background with the Yxy color 45.8334, 0.3145, 0.3621.

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

45.8334, 0.3145, 0.3621

Protanopia

45.8371, 0.3371, 0.3567

Deuteranopia

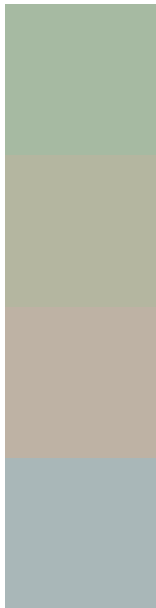
45.6852, 0.3469, 0.3404



Tritanopia

45.6912, 0.2930, 0.3093

Trichromacy



Original Color

45.8334, 0.3145, 0.3621

Protanomaly

45.6973, 0.3287, 0.3585

Deuteranomaly

45.4683, 0.3350, 0.3473

Tritanomaly

45.7627, 0.3003, 0.3276

Monochromacy



Original Color

45.8334, 0.3145, 0.3621

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5053, 0.3131, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8334, 0.3145, 0.3621 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(166, 186, 162)` looks like.

```
.text, #text, p{  
    color:rgb(166, 186, 162)  
}
```

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(166, 186, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 186, 162) }
```

Border

The CSS property to change the border of an element to Yxy 45.8334, 0.3145, 0.3621 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(166, 186, 162) }
```

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

```
.border{ border-color:rgb(166, 186, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 186, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 186, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 186, 162);  
box-shadow:4px 4px 4px 4px rgb(166, 186,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8334, 0.3145, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 186, 162) }
```

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

```
.background{ background-color: rgb(166,  
186, 162) }
```

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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