

Converting Colors

$Y_{xy}(45.4500, 0.2942, 0.3291)$

Have a look what the booklet for
Yxy(45.4500, 0.2942, 0.3291)
contains.

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Color

Yxy(45.3187, 0.2939, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A1B8B8
RGB	161, 184, 184
RGB Percent	63%, 72%, 72%
CMY	0.3685, 0.2785, 0.2783
CMYK	0.12, 0.00, 0.00, 0.28
HSL	180°, 14%, 68%
HSV	180°, 12%, 72%
XYZ	40.4961, 45.3187, 51.9739
YIQ	177.1230, -13.7080, -4.8760

Conversions

Conversions Part 2

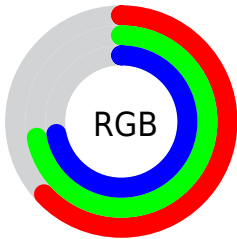
Format	Color
R_{YB}	161, 173, 184
Decimal	10598584
CIE Lab	73.10, -7.82, -2.68
CIE LCh	73, 8.267, 198.928
Yxy	45.3187, 0.2939, 0.3289
Android (android.graphics.Color)	4288788664 (0xFFA1B8B8)
YUV	177.1230, 3.3904, -14.1399
Hunter-Lab	67.3192, -10.4312, 1.3485

Details

The Yxy color **45.3187, 0.2939, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.2780, 0.3350, 0.3291**, and the grayscale version is **44.0255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2104, 0.2973, 0.3290**, and **21.1225, 0.2884, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **43.5366, 0.2798, 0.3288**, and if you desaturate by 10%, it is **47.3860, 0.3089, 0.3290**.

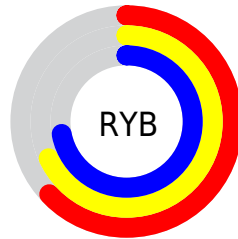
Distribution



Red (63%)

Green (72%)

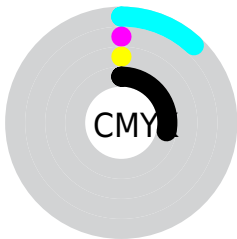
Blue (72%)



Red (63%)

Yellow (68%)

Blue (72%)

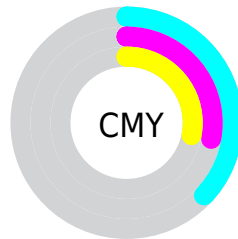


Cyan (12%)

Magenta (0%)

Yellow (0%)

Black (28%)



Cyan (37%)


Magenta (28%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3187, 0.2939, 0.3289 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 45.3187, 0.2939, 0.3289 by changing the saturation by 10% instead.


 45.3187, 0.2939,
0.3289

 45.3187, 0.2939,
0.3289

368.0628, 0.3033,
0.3290

 31.7085, 0.2915,
0.3289

 83.1984, 0.2973,
0.3290

 21.1390, 0.2885,
0.3288


 108.2368, 0.2986,
0.3290

 13.2256, 0.2845,
0.3287


137.8534, 0.2997,
0.3290

 7.5841, 0.2788,
0.3285

172.4325, 0.3006,
0.3290

 3.8300, 0.2704,
0.3281

212.3586, 0.3014,
0.3290

 1.5789, 0.2564,
0.3272

258.0161, 0.3021,

 0.3433, 0.1302,

0.3290

0.3301

309.7894, 0.3028,
0.3290

0.0000, 0.0000,
0.0000

45.3187, 0.2939,
0.3289

45.3187, 0.2939,
0.3289

43.5366, 0.2798,
0.3288

47.3860, 0.3089,
0.3290

42.0218, 0.2670,
0.3287

49.7443, 0.3245,
0.3291

40.7630, 0.2556,
0.3287

52.4063, 0.3404,
0.3291

39.7459, 0.2459,
0.3286


55.3824, 0.3564,
0.3292


38.9550, 0.2380,
0.3285


58.6823, 0.3723,
0.3293


 38.3728, 0.2321,
0.3285

 59.0623, 0.3739,
0.3293

 37.9792, 0.2279,
0.3284

 59.0726, 0.3739,
0.3293

 37.7503, 0.2256,
0.3284

 59.0829, 0.3739,
0.3294

 37.6508, 0.2245,
0.3283

 59.0932, 0.3739,
0.3294

Harmonies

Analogous

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



45.3187, 0.3025, 0.3393



45.3187, 0.2939, 0.3289



45.3187, 0.2903, 0.3187

Triad

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



45.3187, 0.2939, 0.3289



45.3187, 0.3111, 0.3119



45.3187, 0.3333, 0.3463

Complementary

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



45.3187, 0.2939, 0.3289



38.2780, 0.3350, 0.3291

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.



45.3187, 0.3357, 0.3386



45.3187, 0.2939, 0.3289



45.3187, 0.3228, 0.3190

Square

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



45.3187, 0.2939, 0.3289



45.3187, 0.3001, 0.3092



45.3187, 0.3319, 0.3287



45.3187, 0.3252, 0.3495

Rectangle

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



45.3187, 0.2939, 0.3289



45.3187, 0.2911, 0.3135



45.3187, 0.3319, 0.3287



45.3187, 0.3348, 0.3442

Sweetspot

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



45.3206, 0.2939, 0.3289



85.2511, 0.3065, 0.3290



44.4458, 0.3112, 0.3613



18.3152, 0.3053, 0.3290



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.3206, 0.2939, 0.3289



81.1901, 0.2899, 0.3289



40.7477, 0.2935, 0.3130



10.2085, 0.2985, 0.3289



25.9414, 0.2245, 0.3283



0.9152, 0.2246, 0.3285

Inverse Universe

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



39.1534, 0.3142, 0.2987



67.8080, 0.3145, 0.2920



42.4737, 0.3330, 0.3445



9.1625, 0.3138, 0.3065



9.4011, 0.3212, 0.1543



0.3315, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 45.3187, 0.2939, 0.3289 looks on a white background.

Color Contrast Check

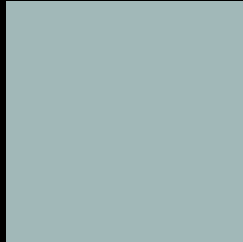
Large Text (above 18pt) WCAG AA × Fail

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 45.3187, 0.2939, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

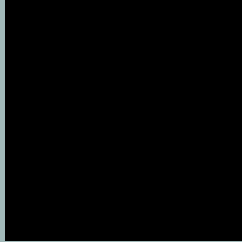
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

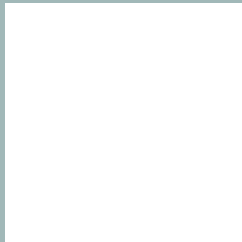
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3187, 0.2939, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 45.3187, 0.2939, 0.3289.

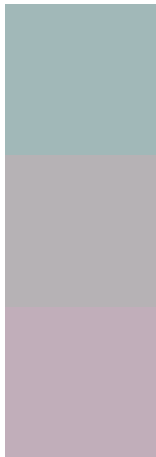


This preview shows how white text looks on a background with the Yxy color 45.3187, 0.2939, 0.3289.

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

45.3187, 0.2939, 0.3289

Protanopia

45.1221, 0.3138, 0.3251

Deuteranopia

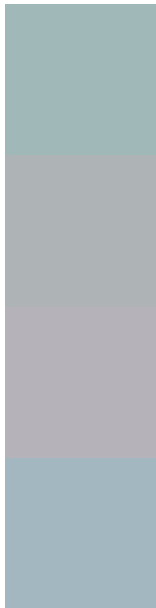
45.1547, 0.3196, 0.3138



Tritanopia

45.2736, 0.2860, 0.3090

Trichromacy



Original Color

45.3187, 0.2939, 0.3289

Protanomaly

45.0186, 0.3060, 0.3263

Deuteranomaly

45.1673, 0.3097, 0.3199

Tritanomaly

45.3541, 0.2889, 0.3168

Monochromacy



Original Color

45.3187, 0.2939, 0.3289

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5957, 0.3051, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3187, 0.2939, 0.3289 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(161, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(161, 184, 184)  
}
```

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(161, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 184, 184) }
```

Border

The CSS property to change the border of an element to Yxy 45.3187, 0.2939, 0.3289 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(161, 184, 184) }
```

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

```
.border{ border-color:rgb(161, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(161, 184,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3187, 0.2939, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 184, 184) }
```

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

```
.background{ background-color: rgb(161,  
184, 184) }
```

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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