

Converting Colors

$Y_{xy}(45.1644, 0.2988, 0.3439)$

Have a look what the booklet for
Yxy(45.1644, 0.2988, 0.3439)
contains.

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Color

Yxy(45.0230, 0.2989, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	9EB9AE
RGB	158, 185, 174
RGB Percent	62%, 73%, 68%
CMY	0.3802, 0.2745, 0.3176
CMYK	0.15, 0.00, 0.06, 0.27
HSL	156°, 16%, 67%
HSV	156°, 15%, 73%
XYZ	39.0975, 45.0230, 46.6842
YIQ	175.6730, -12.5610, -9.1450

Conversions

Conversions Part 2

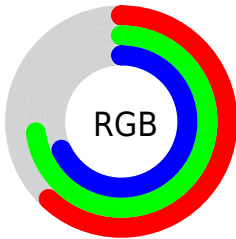
Format	Color
R _Y B	158, 175, 185
Decimal	10402222
CIE Lab	72.91, -11.36, 2.48
CIE LCh	73, 11.632, 167.705
Yxy	45.0230, 0.2989, 0.3442
Android (android.graphics.Color)	4288592302 (0xFF9EB9AE)
YUV	175.6730, -0.8248, -15.4992
Hunter-Lab	67.0992, -13.4147, 5.7184

Details

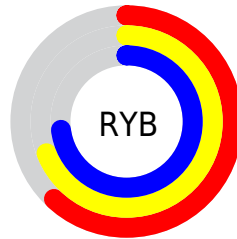
The Yxy color $45.0230, 0.2989, 0.3442$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $37.6478, 0.3289, 0.3143$, and the grayscale version is $43.2516, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.7139, 0.3018, 0.3418$, and $20.9718, 0.2941, 0.3483$ is the 20% darker color. If you saturate the color by 10%, you get $43.0017, 0.2899, 0.3560$, and if you desaturate by 10%, it is $47.3470, 0.3083, 0.3335$.

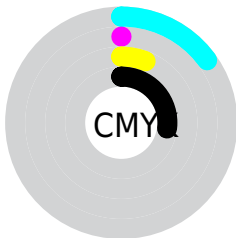
Distribution



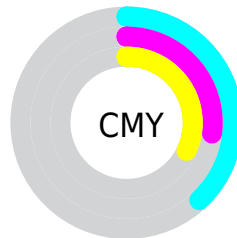
- Red (62%)
- Green (73%)
- Blue (68%)



- Red (62%)
- Yellow (69%)
- Blue (73%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)





- Cyan (38%)
- Magenta (27%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0230, 0.2989, 0.3442 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 45.0230, 0.2989, 0.3442 by changing the saturation by 10% instead.


 45.0230, 0.2989,
0.3442

 45.0230, 0.2989,
0.3442


366.8667, 0.3059,
0.3365

 31.4755, 0.2971,
0.3462


 82.7549, 0.3015,
0.3414

 20.9612, 0.2948,
0.3487


 107.7082, 0.3024,
0.3403

 13.0957, 0.2918,
0.3522


137.2322, 0.3032,
0.3394

 7.4945, 0.2874,
0.3571

171.7113, 0.3039,
0.3387

 3.7732, 0.2808,
0.3646

211.5299, 0.3045,
0.3380

 1.5475, 0.2694,
0.3777

257.0724, 0.3050,

 0.3218, 0.0539,

0.3374

0.6101

308.7232, 0.3055,
0.3369

0.0000, 0.0000,
0.0000

45.0230, 0.2989,
0.3442

45.0230, 0.2989,
0.3442

43.0017, 0.2899,
0.3560

47.3470, 0.3083,
0.3335

41.2645, 0.2816,
0.3689

49.9801, 0.3180,
0.3239

39.7995, 0.2743,
0.3829

52.9354, 0.3276,
0.3154

38.5918, 0.2683,
0.3977

56.2239, 0.3371,
0.3079

37.6249, 0.2639,
0.4131

59.8558, 0.3464,
0.3013

■ 36.8804, 0.2613,
0.4289

■ 61.0798, 0.3438,
0.2941

■ 36.3369, 0.2608,
0.4446

■ 61.4861, 0.3377,
0.2867

■ 35.9688, 0.2622,
0.4601

■ 61.9105, 0.3317,
0.2795

■ 35.8131, 0.2634,
0.4683

■ 62.3533, 0.3259,
0.2724

Harmonies

Analogous

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



45.0230, 0.3150, 0.3548



45.0230, 0.2989, 0.3442



45.0230, 0.2867, 0.3293

Triad

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



45.0230, 0.2989, 0.3442



45.0230, 0.2943, 0.3013



45.0230, 0.3452, 0.3418

Complementary

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



45.0230, 0.2989, 0.3442



37.6478, 0.3289, 0.3143

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.



45.0230, 0.3394, 0.3278



45.0230, 0.2989, 0.3442



45.0230, 0.3097, 0.3049

Square

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



45.0230, 0.2989, 0.3442



45.0230, 0.2841, 0.3047



45.0230, 0.3263, 0.3145



45.0230, 0.3420, 0.3530

Rectangle

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



45.0230, 0.2989, 0.3442



45.0230, 0.2822, 0.3194



45.0230, 0.3263, 0.3145



45.0230, 0.3442, 0.3373

Sweetspot

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



45.0249, 0.2989, 0.3442



85.0295, 0.3088, 0.3330



45.6298, 0.3205, 0.3661



18.2588, 0.3081, 0.3338



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.



45.0249, 0.2989, 0.3442



79.6128, 0.2964, 0.3473



44.5384, 0.2908, 0.3259



10.1471, 0.3038, 0.3385



24.4028, 0.2629, 0.4664



0.8722, 0.2519, 0.4268

Inverse Universe

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



37.6478, 0.3289, 0.3143



64.2313, 0.3325, 0.3114



38.0262, 0.3389, 0.3321



9.0712, 0.3226, 0.3197



7.3857, 0.5317, 0.2703



0.2727, 0.4645, 0.2332

Previews

White Background



This preview shows how the Yxy color 45.0230, 0.2989, 0.3442 looks on a white background.

Color Contrast Check

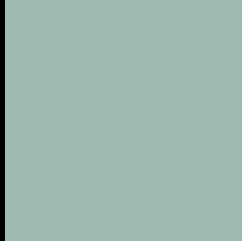
Large Text (above 18pt) WCAG AA × Fail

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 45.0230, 0.2989, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

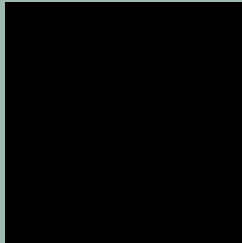
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

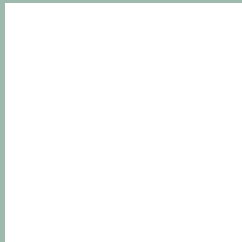
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0230, 0.2989, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 45.0230, 0.2989, 0.3442.



This preview shows how white text looks on a background with the Yxy color 45.0230, 0.2989, 0.3442.

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

45.0230, 0.2989, 0.3442

Protanopia

44.9334, 0.3245, 0.3396

Deuteranopia

44.7972, 0.3301, 0.3240



Tritanopia

45.1228, 0.2859, 0.3102

Trichromacy



Original Color

45.0230, 0.2989, 0.3442

Protanomaly

45.1020, 0.3155, 0.3425

Deuteranomaly

44.5240, 0.3179, 0.3303

Tritanomaly

45.0749, 0.2910, 0.3222

Monochromacy



Original Color

45.0230, 0.2989, 0.3442

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.7704, 0.3073, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0230, 0.2989, 0.3442 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(158, 185, 174)` looks like.

```
.text, #text, p{  
    color:rgb(158, 185, 174)  
}
```

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(158, 185, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 185, 174) }
```

Border

The CSS property to change the border of an element to Yxy 45.0230, 0.2989, 0.3442 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(158, 185, 174) }
```

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

```
.border{ border-color:rgb(158, 185, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 185, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 185, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 185, 174);  
box-shadow:4px 4px 4px 4px rgb(158, 185,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0230, 0.2989, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 185, 174) }
```

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

```
.background{ background-color: rgb(158,  
185, 174) }
```

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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