

Converting Colors

$Y_{xy}(45.6734, 0.2970, 0.3335)$

Have a look what the booklet for
Yxy(45.6734, 0.2970, 0.3335)
contains.

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Color

Yxy(45.7155, 0.2969, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	A2B9B5
RGB	162, 185, 181
RGB Percent	64%, 73%, 71%
CMY	0.3647, 0.2745, 0.2902
CMYK	0.12, 0.00, 0.02, 0.27
HSL	170°, 14%, 68%
HSV	170°, 12%, 73%
XYZ	40.5889, 45.7155, 50.4046
YIQ	177.6670, -12.4240, -6.1200

Conversions

Conversions Part 2

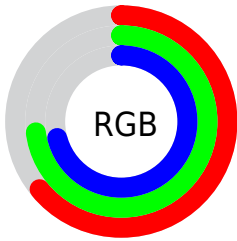
Format	Color
RYB	162, 175, 185
Decimal	10664373
CIELab	73.36, -8.65, -0.65
CIELCh	73, 8.675, 184.267
Yxy	45.7155, 0.2969, 0.3344
Android (android.graphics.Color)	4288854453 (0xFFA2B9B5)
YUV	177.6670, 1.6432, -13.7400
Hunter-Lab	67.6132, -11.1678, 3.1295

Details

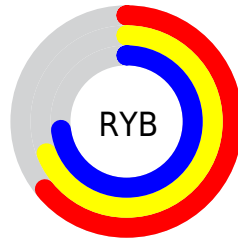
The Yxy color **45.7155, 0.2969, 0.3344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9057, 0.3312, 0.3237**, and the grayscale version is **44.3322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7767, 0.2997, 0.3332**, and **21.3760, 0.2925, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **43.7901, 0.2849, 0.3392**, and if you desaturate by 10%, it is **47.9329, 0.3096, 0.3300**.

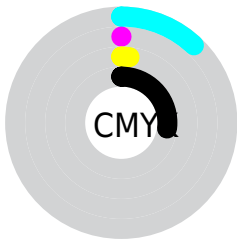
Distribution



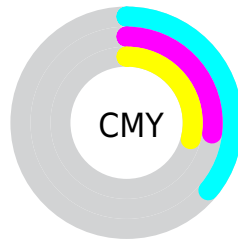
- Red (64%)
- Green (73%)
- Blue (71%)



- Red (64%)
- Yellow (69%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)





- Cyan (36%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7155, 0.2969, 0.3344 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 45.7155, 0.2969, 0.3344 by changing the saturation by 10% instead.

 45.7155, 0.2969,
0.3344

 45.7155, 0.2969,
0.3344

369.6637, 0.3048,
0.3317

 32.0214, 0.2949,
0.3351


 83.7931, 0.2998,
0.3334

 21.3778, 0.2924,
0.3359


 108.9453, 0.3009,
0.3331

 13.4005, 0.2890,
0.3371


138.6857, 0.3018,
0.3328

 7.7049, 0.2842,
0.3386

173.3986, 0.3026,
0.3325

 3.9067, 0.2770,
0.3410

213.4685, 0.3032,
0.3323

 1.6215, 0.2651,
0.3449

259.2797, 0.3038,

 0.3720, 0.1476,

0.3321

0.3857

311.2166, 0.3044,
0.3319

0.0000, 0.0000,
0.0000

45.7155, 0.2969,
0.3344

45.7155, 0.2969,
0.3344

43.7901, 0.2849,
0.3392

47.9329, 0.3096,
0.3300

42.1383, 0.2738,
0.3444

50.4480, 0.3226,
0.3260

40.7490, 0.2640,
0.3499

53.2740, 0.3358,
0.3225

39.6075, 0.2556,
0.3558

56.4211, 0.3490,
0.3193

38.6980, 0.2489,
0.3618

59.8993, 0.3620,
0.3166

■ 38.0028, 0.2441,
0.3680

■ 60.1440, 0.3597,
0.3133

■ 37.5017, 0.2412,
0.3742

■ 60.2961, 0.3569,
0.3100

■ 37.1703, 0.2402,
0.3804

■ 60.4514, 0.3542,
0.3067

■ 36.9960, 0.2403,
0.3850

■ 60.6099, 0.3515,
0.3034

Harmonies

Analogous

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



45.7155, 0.3077, 0.3443



45.7155, 0.2969, 0.3344



45.7155, 0.2904, 0.3232

Triad

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



45.7155, 0.2969, 0.3344



45.7155, 0.3051, 0.3091



45.7155, 0.3363, 0.3436

Complementary

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



45.7155, 0.2969, 0.3344



38.9057, 0.3312, 0.3237

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.



45.7155, 0.3356, 0.3341



45.7155, 0.2969, 0.3344



45.7155, 0.3174, 0.3145

Square

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



45.7155, 0.2969, 0.3344



45.7155, 0.2950, 0.3088



45.7155, 0.3287, 0.3235



45.7155, 0.3305, 0.3495

Rectangle

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



45.7155, 0.2969, 0.3344



45.7155, 0.2892, 0.3166



45.7155, 0.3287, 0.3235



45.7155, 0.3368, 0.3407

Sweetspot

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



45.7174, 0.2969, 0.3344



85.1603, 0.3075, 0.3307



45.4385, 0.3148, 0.3608



18.2921, 0.3065, 0.3310



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.



45.7174, 0.2969, 0.3344



80.8543, 0.2935, 0.3357



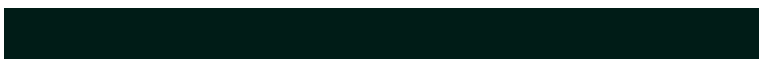
42.9123, 0.2938, 0.3190



10.1831, 0.3008, 0.3330



25.1988, 0.2401, 0.3842



0.8955, 0.2357, 0.3684

Inverse Universe

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



38.9057, 0.3312, 0.3237



66.1901, 0.3361, 0.3224



41.4035, 0.3336, 0.3388



9.0370, 0.3261, 0.3251



7.1023, 0.6115, 0.3142



0.2583, 0.5461, 0.2782

Previews

White Background



This preview shows how the Yxy color 45.7155, 0.2969, 0.3344 looks on a white background.

Color Contrast Check

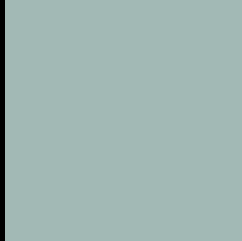
Large Text (above 18pt) WCAG AA × Fail

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 45.7155, 0.2969, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

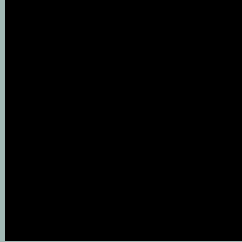
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

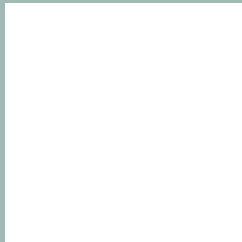
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7155, 0.2969, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 45.7155, 0.2969, 0.3344.

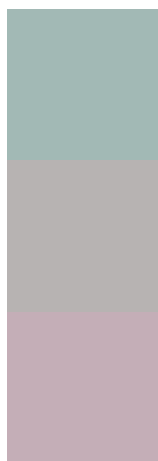


This preview shows how white text looks on a background with the Yxy color 45.7155, 0.2969, 0.3344.

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

45.7155, 0.2969, 0.3344

Protanopia

45.5218, 0.3170, 0.3303

Deuteranopia

45.4268, 0.3248, 0.3177



Tritanopia

45.8975, 0.2876, 0.3104

Trichromacy



Original Color

45.7155, 0.2969, 0.3344

Protanomaly

45.4164, 0.3092, 0.3317

Deuteranomaly

45.4085, 0.3147, 0.3238

Tritanomaly

45.9351, 0.2912, 0.3196

Monochromacy



Original Color

45.7155, 0.2969, 0.3344

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0731, 0.3067, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7155, 0.2969, 0.3344 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(162, 185, 181)` looks like.

```
.text, #text, p{  
    color:rgb(162, 185, 181)  
}
```

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(162, 185, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 185, 181) }
```

Border

The CSS property to change the border of an element to Yxy 45.7155, 0.2969, 0.3344 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(162, 185, 181) }
```

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

```
.border{ border-color:rgb(162, 185, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 185, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 185, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 185, 181);  
box-shadow:4px 4px 4px 4px rgb(162, 185,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7155, 0.2969, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 185, 181) }
```

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

```
.background{ background-color: rgb(162,  
185, 181) }
```

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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