

Converting Colors

$Y_{xy}(45.8155, 0.2832, 0.3237)$

Have a look what the booklet for
Yxy(45.8155, 0.2832, 0.3237)
contains.

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Color

Yxy(46.0307, 0.2837, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	99BBBE
RGB	153, 187, 190
RGB Percent	60%, 73%, 75%
CMY	0.3999, 0.2667, 0.2549
CMYK	0.19, 0.02, 0.00, 0.25
HSL	185°, 22%, 67%
HSV	185°, 19%, 75%
XYZ	40.2060, 46.0307, 55.4834
YIQ	177.1760, -21.2270, -6.2750

Conversions

Conversions Part 2

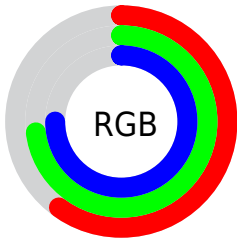
Format	Color
RYB	153, 171, 190
Decimal	10075070
CIELab	73.57, -10.72, -5.32
CIELCh	74, 11.970, 206.404
Yxy	46.0307, 0.2837, 0.3248
Android (android.graphics.Color)	4288265150 (0xFF99BBBE)
YUV	177.1760, 6.3222, -21.2024
Hunter-Lab	67.8459, -12.9499, -0.9944

Details

The Yxy color **46.0307, 0.2837, 0.3248** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0394, 0.3498, 0.3332**, and the grayscale version is **44.0421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1649, 0.2891, 0.3258**, and **21.6230, 0.2751, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **43.6755, 0.2700, 0.3224**, and if you desaturate by 10%, it is **48.6911, 0.2983, 0.3270**.

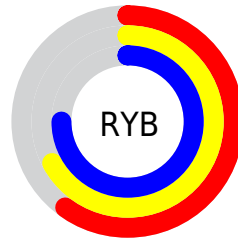
Distribution



Red (60%)

Green (73%)

Blue (75%)



Red (60%)

Yellow (67%)

Blue (75%)

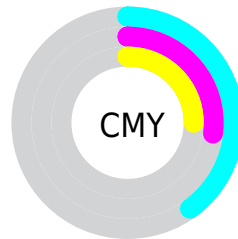


Cyan (19%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (40%)


Magenta (27%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0307, 0.2837, 0.3248 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 46.0307, 0.2837, 0.3248 by changing the saturation by 10% instead.


 46.0307, 0.2837,
0.3248

 46.0307, 0.2837,
0.3248


370.9321, 0.2981,
0.3271

 32.2700, 0.2801,
0.3242

 84.2649, 0.2889,
0.3257

 21.5678, 0.2755,
0.3234


 109.5073, 0.2909,
0.3260

 13.5397, 0.2695,
0.3222


139.3457, 0.2926,
0.3262

 7.8012, 0.2611,
0.3205

174.1646, 0.2940,
0.3265

 3.9680, 0.2486,
0.3178

214.3482, 0.2952,
0.3266

 1.6557, 0.2284,
0.3128

260.2811, 0.2963,

 0.3947, 0.0866,

0.3268

0.3013

312.3476, 0.2973,
0.3269

0.0000, 0.0000,
0.0000

46.0307, 0.2837,
0.3248

46.0307, 0.2837,
0.3248

43.6755, 0.2700,
0.3224

48.6911, 0.2983,
0.3270

41.6060, 0.2575,
0.3198

51.6641, 0.3135,
0.3291

39.8091, 0.2464,
0.3172

54.9639, 0.3291,
0.3310

38.2682, 0.2370,
0.3145

58.6019, 0.3447,
0.3327

36.9650, 0.2295,
0.3117

62.5892, 0.3602,
0.3342

■ 35.8790, 0.2238,
0.3089

■ 64.5817, 0.3656,
0.3357

■ 34.9855, 0.2200,
0.3062

■ 65.2841, 0.3652,
0.3373

■ 34.2394, 0.2177,
0.3034

■ 65.9938, 0.3648,
0.3389

■ 34.2003, 0.2176,
0.3033

■ 66.7107, 0.3644,
0.3405

Harmonies

Analogous

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



46.0307, 0.2944, 0.3404



46.0307, 0.2837, 0.3248



46.0307, 0.2806, 0.3109

Triad

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



46.0307, 0.2837, 0.3248



46.0307, 0.3146, 0.3066



46.0307, 0.3401, 0.3557

Complementary

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



46.0307, 0.2837, 0.3248



37.0394, 0.3498, 0.3332

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.



46.0307, 0.3459, 0.3458



46.0307, 0.2837, 0.3248



46.0307, 0.3310, 0.3178

Square

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



46.0307, 0.2837, 0.3248



46.0307, 0.2981, 0.3010



46.0307, 0.3426, 0.3320



46.0307, 0.3269, 0.3585

Rectangle

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



46.0307, 0.2837, 0.3248



46.0307, 0.2832, 0.3045



46.0307, 0.3426, 0.3320



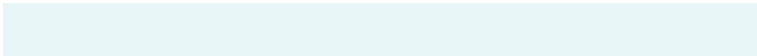
46.0307, 0.3430, 0.3531

Sweetspot

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



46.0326, 0.2837, 0.3248



89.9762, 0.3034, 0.3278



45.9880, 0.3084, 0.3781



19.6814, 0.3024, 0.3276



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.



46.0326, 0.2837, 0.3248



81.6773, 0.2782, 0.3239



38.8892, 0.2822, 0.2996



10.6731, 0.2985, 0.3271



22.7944, 0.2177, 0.3037



0.9326, 0.2195, 0.3102

Inverse Universe

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



37.3284, 0.3177, 0.2850



63.3183, 0.3188, 0.2760



43.5146, 0.3454, 0.3568



9.6825, 0.3150, 0.3082



9.3308, 0.3422, 0.1659



0.3695, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 46.0307, 0.2837, 0.3248 looks on a white background.

Color Contrast Check

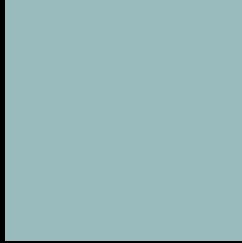
Large Text (above 18pt) WCAG AA × Fail

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 46.0307, 0.2837, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

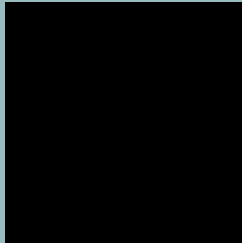
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0307, 0.2837, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 46.0307, 0.2837, 0.3248.



This preview shows how white text looks on a background with the Yxy color 46.0307, 0.2837, 0.3248.

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

46.0307, 0.2837, 0.3248

Protanopia

45.6881, 0.3105, 0.3212

Deuteranopia

45.6722, 0.3137, 0.3076



Tritanopia

45.8366, 0.2782, 0.3088

Trichromacy



Original Color

46.0307, 0.2837, 0.3248

Protanomaly

45.7017, 0.2997, 0.3223

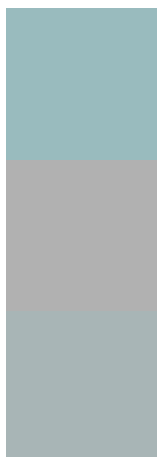
Deuteranomaly

45.4668, 0.3024, 0.3133

Tritanomaly

45.9734, 0.2802, 0.3154

Monochromacy



Original Color

46.0307, 0.2837, 0.3248

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7500, 0.3010, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0307, 0.2837, 0.3248 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(153, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(153, 187, 190)  
}
```

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(153, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 187, 190) }
```

Border

The CSS property to change the border of an element to Yxy 46.0307, 0.2837, 0.3248 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(153, 187, 190) }
```

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

```
.border{ border-color:rgb(153, 187, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 187, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 187, 190);  
box-shadow:4px 4px 4px 4px rgb(153, 187,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0307, 0.2837, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 187, 190) }
```

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

```
.background{ background-color: rgb(153,  
187, 190) }
```

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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