

Converting Colors

$Y_{xy}(45.1644, 0.2898, 0.3423)$

Have a look what the booklet for
Yxy(45.1644, 0.2898, 0.3423)
contains.

Yxy(45.1990, 0.2905, 0.3430)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.1990, 0.2905, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	96BBB1
RGB	150, 187, 177
RGB Percent	59%, 73%, 69%
CMY	0.4118, 0.2666, 0.3059
CMYK	0.20, 0.00, 0.05, 0.27
HSL	164°, 21%, 66%
HSV	164°, 20%, 73%
XYZ	38.2808, 45.1990, 48.2957
YIQ	174.7970, -18.8420, -10.9540

Conversions

Conversions Part 2

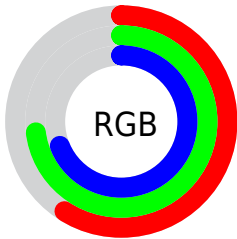
Format	Color
RYB	150, 171, 187
Decimal	9878449
CIELab	73.02, -14.47, 0.96
CIELCh	73, 14.503, 176.202
Yxy	45.1990, 0.2905, 0.3430
Android (android.graphics.Color)	4288068529 (0xFF96BBB1)
YUV	174.7970, 1.0861, -21.7470
Hunter-Lab	67.2302, -16.0152, 4.4694

Details

The Yxy color **45.1990, 0.2905, 0.3430** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.9124, 0.3411, 0.3155**, and the grayscale version is **42.7601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9635, 0.2946, 0.3397**, and **21.1021, 0.2841, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **43.3682, 0.2802, 0.3511**, and if you desaturate by 10%, it is **47.3242, 0.3015, 0.3356**.

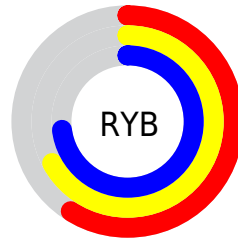
Distribution



Red (59%)

Green (73%)

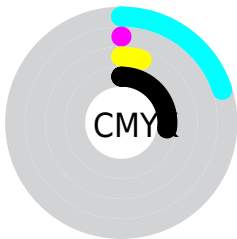
Blue (69%)



Red (59%)

Yellow (67%)

Blue (73%)

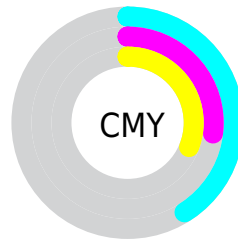


Cyan (20%)

Magenta (0%)

Yellow (5%)

Black (27%)



Cyan (41%)


Magenta (27%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1990, 0.2905, 0.3430 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 45.1990, 0.2905, 0.3430 by changing the saturation by 10% instead.


 45.1990, 0.2905,
0.3430

 45.1990, 0.2905,
0.3430


367.5789, 0.3017,
0.3359

 31.6142, 0.2877,
0.3448

 83.0190, 0.2946,
0.3404

 21.0670, 0.2841,
0.3471


 108.0229, 0.2961,
0.3395

 13.1730, 0.2792,
0.3502

137.6020, 0.2974,
0.3386

 7.5478, 0.2724,
0.3546

172.1407, 0.2985,
0.3379

 3.8070, 0.2621,
0.3612

212.0233, 0.2994,
0.3373

 1.5662, 0.2448,
0.3725

257.6343, 0.3003,

 0.3346, 0.0000,

0.3368

0.5296

309.3580, 0.3010,
0.3364

0.0000, 0.0000,
0.0000

45.1990, 0.2905,
0.3430

45.1990, 0.2905,
0.3430

43.3682, 0.2802,
0.3511

47.3242, 0.3015,
0.3356

41.8126, 0.2710,
0.3598

49.7506, 0.3130,
0.3289

40.5196, 0.2630,
0.3691

52.4921, 0.3246,
0.3228

39.4732, 0.2567,
0.3787

55.5598, 0.3363,
0.3175

38.6557, 0.2521,
0.3887

58.9644, 0.3479,
0.3127

■ 38.0470, 0.2495,
0.3989

■ 61.3265, 0.3533,
0.3081

■ 37.6235, 0.2489,
0.4090

■ 61.5786, 0.3491,
0.3030

■ 37.3387, 0.2498,
0.4190

■ 61.8387, 0.3449,
0.2979

■ 37.3333, 0.2498,
0.4192

■ 62.1069, 0.3408,
0.2929

Harmonies

Analogous

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



45.1990, 0.3096, 0.3585



45.1990, 0.2905, 0.3430



45.1990, 0.2775, 0.3238

Triad

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



45.1990, 0.2905, 0.3430



45.1990, 0.2948, 0.2951



45.1990, 0.3533, 0.3492

Complementary

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



45.1990, 0.2905, 0.3430



34.9124, 0.3411, 0.3155

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.



45.1990, 0.3492, 0.3324



45.1990, 0.2905, 0.3430



45.1990, 0.3148, 0.3019

Square

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



45.1990, 0.2905, 0.3430



45.1990, 0.2799, 0.2967



45.1990, 0.3349, 0.3153



45.1990, 0.3461, 0.3615

Rectangle

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



45.1990, 0.2905, 0.3430



45.1990, 0.2739, 0.3120



45.1990, 0.3349, 0.3153



45.1990, 0.3532, 0.3439

Sweetspot

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



45.2009, 0.2905, 0.3430



86.2923, 0.3057, 0.3330



45.2685, 0.3190, 0.3813



18.9417, 0.3049, 0.3335



95.5105, 0.3127, 0.3290



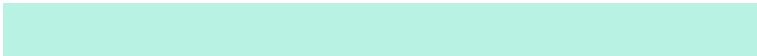
19.5994, 0.3127, 0.3290

Same Dimension

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



45.2009, 0.2905, 0.3430



79.3765, 0.2857, 0.3466



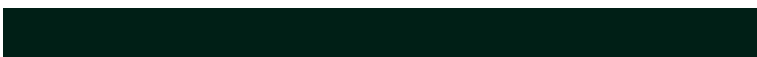
42.3059, 0.2828, 0.3177



10.7643, 0.3020, 0.3353



25.7330, 0.2494, 0.4180



1.0184, 0.2428, 0.3940

Inverse Universe

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



34.9124, 0.3411, 0.3155



57.4110, 0.3495, 0.3121



37.2238, 0.3492, 0.3400



9.5777, 0.3247, 0.3228



7.4521, 0.5835, 0.2988



0.3033, 0.5130, 0.2600

Previews

White Background



This preview shows how the Yxy color 45.1990, 0.2905, 0.3430 looks on a white background.

Color Contrast Check

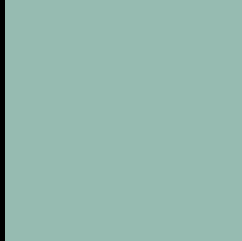
Large Text (above 18pt) WCAG AA × Fail

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 45.1990, 0.2905, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

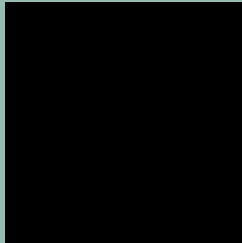
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1990, 0.2905, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 45.1990, 0.2905, 0.3430.



This preview shows how white text looks on a background with the Yxy color 45.1990, 0.2905, 0.3430.

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

45.1990, 0.2905, 0.3430

Protanopia

45.0097, 0.3229, 0.3369

Deuteranopia

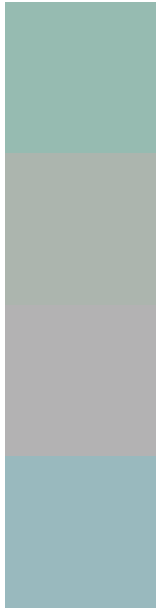
44.7845, 0.3266, 0.3201



Tritanopia

45.2282, 0.2787, 0.3100

Trichromacy



Original Color

45.1990, 0.2905, 0.3430

Protanomaly

44.8744, 0.3106, 0.3385

Deuteranomaly

44.6792, 0.3128, 0.3277

Tritanomaly

45.1879, 0.2835, 0.3221

Monochromacy



Original Color

45.1990, 0.2905, 0.3430

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.4818, 0.3040, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1990, 0.2905, 0.3430 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 $rgb(150, 187, 177)$ looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 177)  
}
```

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(150, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 177) }
```

Border

The CSS property to change the border of an element to Yxy 45.1990, 0.2905, 0.3430 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(150, 187, 177) }
```

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

```
.border{ border-color:rgb(150, 187, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1990, 0.2905, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 177) }
```

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

```
.background{ background-color: rgb(150,  
187, 177) }
```

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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