

Converting Colors

$Y_{xy}(44.9493, 0.2828, 0.3209)$

Have a look what the booklet for
Yxy(44.9493, 0.2828, 0.3209)
contains.

Yxy(45.0910, 0.2828, 0.3220)	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(45.0910, 0.2828, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	98B9BE
RGB	152, 185, 190
RGB Percent	60%, 73%, 75%
CMY	0.4037, 0.2746, 0.2548
CMYK	0.20, 0.03, 0.00, 0.25
HSL	188°, 23%, 67%
HSV	188°, 20%, 75%
XYZ	39.6017, 45.0910, 55.3415
YIQ	175.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

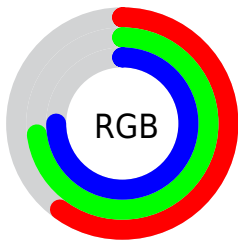
Format	Color
RYB	152, 170, 190
Decimal	10009022
CIELab	72.95, -9.97, -6.24
CIElCh	73, 11.761, 212.071
Yxy	45.0910, 0.2828, 0.3220
Android (android.graphics.Color)	4288199102 (0xFF98B9BE)
YUV	175.7030, 7.0484, -20.7875
Hunter-Lab	67.1498, -12.2417, -1.8589

Details

The Yxy color **45.0910, 0.2828, 0.3220** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.3630, 0.3505, 0.3359**, and the grayscale version is **43.2309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8298, 0.2884, 0.3236**, and **21.0180, 0.2738, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **42.3587, 0.2688, 0.3181**, and if you desaturate by 10%, it is **48.1394, 0.2975, 0.3257**.

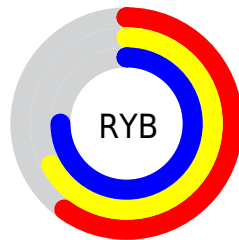
Distribution



Red (60%)

Green (73%)

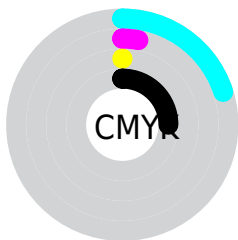
Blue (75%)



Red (60%)

Yellow (67%)

Blue (75%)

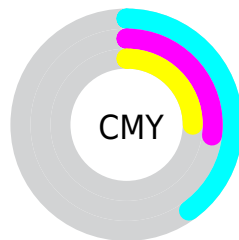


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (25%)



Cyan (40%)


Magenta (27%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0910, 0.2828, 0.3220 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 45.0910, 0.2828, 0.3220 by changing the saturation by 10% instead.


 45.0910, 0.2828,
0.3220

 45.0910, 0.2828,
0.3220


367.1420, 0.2977,
0.3257

 31.5291, 0.2791,
0.3210


 82.8570, 0.2882,
0.3234

 21.0021, 0.2743,
0.3197


 107.8298, 0.2902,
0.3239

 13.1255, 0.2680,
0.3180

137.3751, 0.2920,
0.3243

 7.5150, 0.2592,
0.3154

171.8772, 0.2934,
0.3247

 3.7862, 0.2462,
0.3113

211.7206, 0.2947,
0.3250

 1.5547, 0.2250,
0.3038

257.2896, 0.2958,

 0.3268, 0.0567,

0.3252

0.2754

308.9686, 0.2968,
0.3255

0.0000, 0.0000,
0.0000

45.0910, 0.2828,
0.3220

45.0910, 0.2828,
0.3220

42.3587, 0.2688,
0.3181

48.1394, 0.2975,
0.3257

39.9230, 0.2559,
0.3139

51.5115, 0.3128,
0.3290

37.7704, 0.2444,
0.3095

55.2215, 0.3282,
0.3320

35.8845, 0.2345,
0.3049

59.2811, 0.3436,
0.3348

34.2467, 0.2264,
0.3003

63.7013, 0.3587,
0.3372

■ 32.8360, 0.2201,
0.2957

■ 66.3321, 0.3646,
0.3396

■ 31.6276, 0.2158,
0.2910

■ 67.5089, 0.3640,
0.3422

■ 30.5727, 0.2129,
0.2865

■ 68.7051, 0.3633,
0.3448

■ 30.5703, 0.2129,
0.2864

■ 69.9206, 0.3627,
0.3473

Harmonies

Analogous

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



45.0910, 0.2921, 0.3374



45.0910, 0.2828, 0.3220



45.0910, 0.2813, 0.3091

Triad

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



45.0910, 0.2828, 0.3220



45.0910, 0.3178, 0.3086



45.0910, 0.3378, 0.3566

Complementary

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



45.0910, 0.2828, 0.3220



37.3630, 0.3505, 0.3359

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.



45.0910, 0.3452, 0.3479



45.0910, 0.2828, 0.3220



45.0910, 0.3335, 0.3205

Square

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



45.0910, 0.2828, 0.3220



45.0910, 0.3012, 0.3019



45.0910, 0.3436, 0.3347



45.0910, 0.3237, 0.3578

Rectangle

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



45.0910, 0.2828, 0.3220



45.0910, 0.2848, 0.3035



45.0910, 0.3436, 0.3347



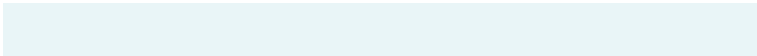
45.0910, 0.3411, 0.3544

Sweetspot

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



45.0928, 0.2828, 0.3220



89.5151, 0.3034, 0.3270



45.9331, 0.3069, 0.3768



19.5693, 0.3024, 0.3268



97.7402, 0.3127, 0.3290



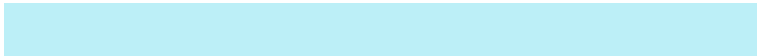
20.4902, 0.3127, 0.3290

Same Dimension

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



45.0928, 0.2828, 0.3220



79.4429, 0.2765, 0.3203



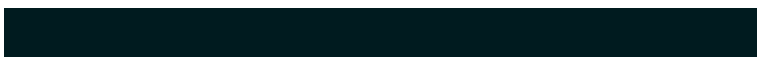
37.8947, 0.2812, 0.2960



10.5880, 0.2985, 0.3259



20.4057, 0.2131, 0.2871



0.8600, 0.2161, 0.2980

Inverse Universe

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



36.9277, 0.3196, 0.2862



62.0589, 0.3214, 0.2766



44.0609, 0.3459, 0.3600



9.6739, 0.3157, 0.3093



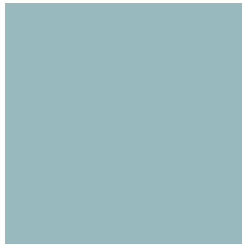
9.0897, 0.3570, 0.1740



0.3622, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 45.0910, 0.2828, 0.3220 looks on a white background.

Color Contrast Check

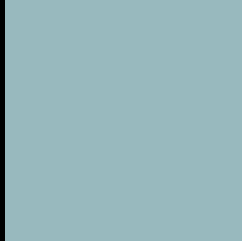
Large Text (above 18pt) WCAG AA × Fail

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 45.0910, 0.2828, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

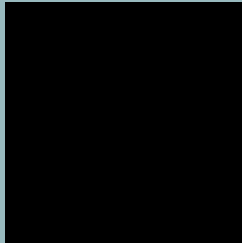
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

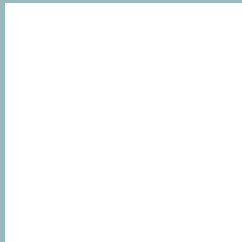
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0910, 0.2828, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 45.0910, 0.2828, 0.3220.



This preview shows how white text looks on a background with the Yxy color 45.0910, 0.2828, 0.3220.

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

45.0910, 0.2828, 0.3220

Protanopia

45.0893, 0.3080, 0.3185

Deuteranopia

45.0250, 0.3120, 0.3062



Tritanopia

45.2282, 0.2787, 0.3100

Trichromacy



Original Color

45.0910, 0.2828, 0.3220

Protanomaly

45.1817, 0.2989, 0.3210

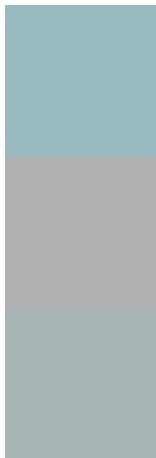
Deuteranomaly

44.8325, 0.3008, 0.3119

Tritanomaly

44.9934, 0.2800, 0.3139

Monochromacy



Original Color

45.0910, 0.2828, 0.3220

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.7919, 0.3010, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0910, 0.2828, 0.3220 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(152, 185, 190)` looks like.

```
.text, #text, p{  
    color:rgb(152, 185, 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(152, 185, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 185, 190) }
```

Border

The CSS property to change the border of an element to Yxy 45.0910, 0.2828, 0.3220 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(152, 185, 190) }
```

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

```
.border{ border-color:rgb(152, 185, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 185, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 185, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 185, 190);  
box-shadow:4px 4px 4px 4px rgb(152, 185,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0910, 0.2828, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 185, 190) }
```

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

```
.background{ background-color: rgb(152,  
185, 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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