

Converting Colors

$Y_{xy}(45.3263, 0.2825, 0.3240)$

Have a look what the booklet for
Yxy(45.3263, 0.2825, 0.3240)
contains.

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Color

Yxy(45.3712, 0.2828, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	97BABD
RGB	151, 186, 189
RGB Percent	59%, 73%, 74%
CMY	0.4079, 0.2706, 0.2589
CMYK	0.20, 0.02, 0.00, 0.26
HSL	185°, 22%, 67%
HSV	185°, 20%, 74%
XYZ	39.5042, 45.3712, 54.8142
YIQ	175.8770, -21.8230, -6.4870

Conversions

Conversions Part 2

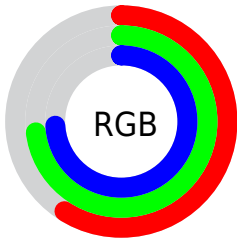
Format	Color
R _Y B	151, 169, 189
Decimal	9943741
CIE Lab	73.14, -11.07, -5.42
CIE LCh	73, 12.321, 206.094
Yxy	45.3712, 0.2828, 0.3248
Android (android.graphics.Color)	4288133821 (0xFF97BABD)
YUV	175.8770, 6.4696, -21.8171
Hunter-Lab	67.3581, -13.1900, -1.0979

Details

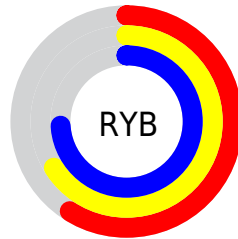
The Yxy color **45.3712, 0.2828, 0.3248** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.1547, 0.3513, 0.3332**, and the grayscale version is **43.3225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2186, 0.2884, 0.3257**, and **21.2053, 0.2740, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **43.0854, 0.2692, 0.3225**, and if you desaturate by 10%, it is **47.9571, 0.2974, 0.3270**.

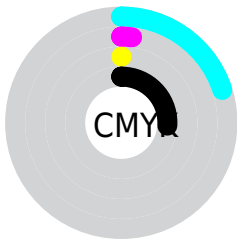
Distribution



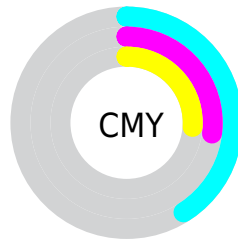
- Red (59%)
- Green (73%)
- Blue (74%)



- Red (59%)
- Yellow (66%)
- Blue (74%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)



- Cyan (41%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3712, 0.2828, 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 45.3712, 0.2828, 0.3248 by changing the saturation by 10% instead.

■ 45.3712, 0.2828,
0.3248

■ 45.3712, 0.2828,
0.3248

■ 368.2749, 0.2977,
0.3271

■ 31.7499, 0.2791,
0.3242

■ 83.2772, 0.2882,
0.3257

■ 21.1705, 0.2743,
0.3233

■ 108.3306, 0.2902,
0.3260

■ 13.2487, 0.2681,
0.3222

■ 137.9636, 0.2920,
0.3262

■ 7.6000, 0.2593,
0.3205

■ 172.5604, 0.2934,
0.3265

■ 3.8401, 0.2463,
0.3176

■ 212.5056, 0.2947,
0.3267

■ 1.5845, 0.2251,
0.3124

■ 258.1835, 0.2958,

■ 0.3471, 0.0514,

0.3268

0.2983

309.9784, 0.2968,
0.3270

0.0000, 0.0000,
0.0000

45.3712, 0.2828,
0.3248

45.3712, 0.2828,
0.3248

43.0854, 0.2692,
0.3225

47.9571, 0.2974,
0.3270

41.0802, 0.2568,
0.3200

50.8504, 0.3125,
0.3290

39.3427, 0.2458,
0.3174

54.0651, 0.3281,
0.3308

37.8564, 0.2366,
0.3148

57.6125, 0.3437,
0.3324

36.6033, 0.2292,
0.3121

61.5036, 0.3593,
0.3339

■ 35.5626, 0.2237,
0.3094

■ 63.9251, 0.3668,
0.3353

■ 34.7100, 0.2201,
0.3068

■ 64.5932, 0.3664,
0.3369

■ 34.0035, 0.2178,
0.3042

■ 65.2679, 0.3660,
0.3384

■ 65.9493, 0.3656,
0.3399

Harmonies

Analogous

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



45.3712, 0.2939, 0.3409



45.3712, 0.2828, 0.3248



45.3712, 0.2795, 0.3104

Triad

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



45.3712, 0.2828, 0.3248



45.3712, 0.3145, 0.3058



45.3712, 0.3411, 0.3566

Complementary

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



45.3712, 0.2828, 0.3248



36.1547, 0.3513, 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.



45.3712, 0.3471, 0.3463



45.3712, 0.2828, 0.3248



45.3712, 0.3315, 0.3173

Square

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



45.3712, 0.2828, 0.3248



45.3712, 0.2974, 0.3001



45.3712, 0.3435, 0.3319



45.3712, 0.3275, 0.3596

Rectangle

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



45.3712, 0.2828, 0.3248



45.3712, 0.2821, 0.3038



45.3712, 0.3435, 0.3319



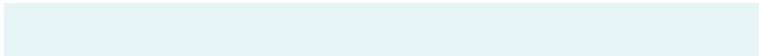
45.3712, 0.3441, 0.3538

Sweetspot

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



45.3731, 0.2828, 0.3248



87.9107, 0.3034, 0.3278



45.2873, 0.3083, 0.3799



18.8334, 0.3024, 0.3277



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.



45.3731, 0.2828, 0.3248



79.4551, 0.2768, 0.3238



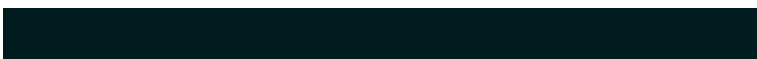
38.0575, 0.2812, 0.2985



10.6778, 0.2985, 0.3271



22.9323, 0.2179, 0.3046



0.9367, 0.2197, 0.3108

Inverse Universe

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



36.4933, 0.3178, 0.2834



60.8169, 0.3190, 0.2736



42.7569, 0.3466, 0.3577



9.6830, 0.3149, 0.3081



9.3447, 0.3414, 0.1654



0.3699, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 45.3712, 0.2828, 0.3248 looks on a white background.

Color Contrast Check

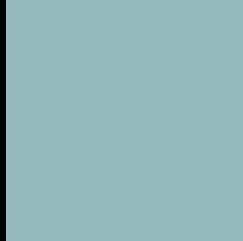
Large Text (above 18pt) WCAG AA × Fail

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 45.3712, 0.2828, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

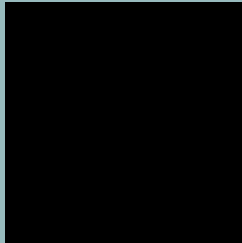
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3712, 0.2828, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 45.3712, 0.2828, 0.3248.



This preview shows how white text looks on a background with the Yxy color 45.3712, 0.2828, 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

45.3712, 0.2828, 0.3248

Protanopia

45.1252, 0.3105, 0.3211

Deuteranopia

45.1101, 0.3137, 0.3075



Tritanopia

45.1768, 0.2773, 0.3086

Trichromacy



Original Color

45.3712, 0.2828, 0.3248

Protanomaly

45.1390, 0.2996, 0.3223

Deuteranomaly

44.7886, 0.3015, 0.3132

Tritanomaly

45.3135, 0.2793, 0.3153

Monochromacy



Original Color

45.3712, 0.2828, 0.3248

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1942, 0.3010, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3712, 0.2828, 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(151, 186, 189)` looks like.

```
.text, #text, p{  
    color:rgb(151, 186, 189)  
}
```

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(151, 186, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 186, 189) }
```

Border

The CSS property to change the border of an element to Yxy 45.3712, 0.2828, 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(151, 186, 189) }
```

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

```
.border{ border-color:rgb(151, 186, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 186, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 186, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 186, 189);  
box-shadow:4px 4px 4px 4px rgb(151, 186,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3712, 0.2828, 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(151, 186, 189) }
```

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

```
.background{ background-color: rgb(151,  
186, 189) }
```

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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