

Converting Colors

$Y_{xy}(23.8345, 0.2991, 0.3329)$

Have a look what the booklet for
Yxy(23.8345, 0.2991, 0.3329)
contains.

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Color

Yxy(23.7782, 0.2985, 0.3325)

Conversions

Conversions Part 1

Format	Color
Hex	7A8987
RGB	122, 137, 135
RGB Percent	48%, 54%, 53%
CMY	0.5215, 0.4627, 0.4706
CMYK	0.11, 0.00, 0.01, 0.46
HSL	172°, 6%, 51%
HSV	172°, 11%, 54%
XYZ	21.3467, 23.7782, 26.3884
YIQ	132.2870, -8.2980, -3.8020

Conversions

Conversions Part 2

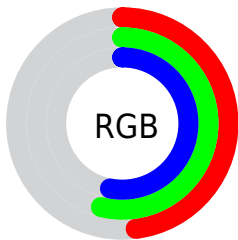
Format	Color
R_{YB}	122, 130, 137
Decimal	8030599
CIE _{Lab}	55.87, -5.84, -0.79
CIE _{LCh}	56, 5.890, 187.702
Yxy	23.7782, 0.2985, 0.3325
Android (android.graphics.Color)	4286220679 (0xFF7A8987)
YUV	132.2870, 1.3375, -9.0217
Hunter-Lab	48.7629, -7.1938, 2.0488

Details

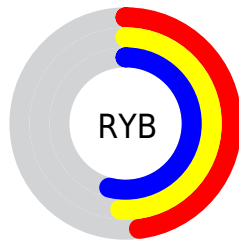
The Yxy color $23.7782, 0.2985, 0.3325$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.6966, 0.3290, 0.3255$, and the grayscale version is $23.1822, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.4564, 0.3013, 0.3316$, and $8.8887, 0.2932, 0.3344$ is the 20% darker color. If you saturate the color by 10%, you get $22.7976, 0.2862, 0.3360$, and if you desaturate by 10%, it is $24.9027, 0.3115, 0.3293$.

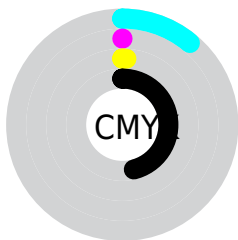
Distribution



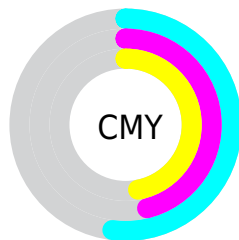
- Red (48%)
- Green (54%)
- Blue (53%)



- Red (48%)
- Yellow (51%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (46%)



- Cyan (52%)
- Magenta (46%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7782, 0.2985, 0.3325 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 23.7782, 0.2985, 0.3325 by changing the saturation by 10% instead.


 23.7782, 0.2985,
0.3325


 23.7782, 0.2985,
0.3325


271.6972, 0.3064,
0.3306


 15.1692, 0.2962,
0.3330


 49.6680, 0.3016,
0.3318

 8.9382, 0.2931,
0.3338


 67.7176, 0.3027,
0.3315

 4.7009, 0.2884,
0.3349

 89.6828, 0.3036,
0.3313

 2.0729, 0.2809,
0.3366

115.9480, 0.3043,
0.3311

 0.6493, 0.2517,
0.3443

146.8977, 0.3050,
0.3309

 0.0000, 0.0000,
0.0000

182.9162, 0.3055,

0.3308

224.3879, 0.3060,
0.3307

■ 23.7782, 0.2985,
0.3325

■ 23.7782, 0.2985,
0.3325

■ 22.7976, 0.2862,
0.3360

■ 24.9027, 0.3115,
0.3293

■ 21.9520, 0.2747,
0.3398

■ 26.1736, 0.3248,
0.3264

■ 21.2361, 0.2644,
0.3438

■ 27.5971, 0.3384,
0.3238

■ 20.6432, 0.2555,
0.3481

■ 29.1782, 0.3519,
0.3214

■ 20.1658, 0.2482,
0.3525

■ 30.9217, 0.3652,
0.3194

■ 19.7957, 0.2426,
0.3569

■ 32.8321, 0.3782,
0.3176

■ 19.5237, 0.2389,
0.3615

■ 34.9137, 0.3907,
0.3161

■ 19.3389, 0.2369,
0.3660

■ 37.1708, 0.4028,
0.3148

■ 19.2178, 0.2361,
0.3701

■ 39.6075, 0.4144,
0.3137

Harmonies

Analogous

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



23.7782, 0.3073, 0.3410



23.7782, 0.2985, 0.3325



23.7782, 0.2935, 0.3231

Triad

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



23.7782, 0.2985, 0.3325



23.7782, 0.3075, 0.3125



23.7782, 0.3323, 0.3422

Complementary

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



23.7782, 0.2985, 0.3325



20.6966, 0.3290, 0.3255

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.



23.7782, 0.3324, 0.3344



23.7782, 0.2985, 0.3325



23.7782, 0.3179, 0.3174

Square

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



23.7782, 0.2985, 0.3325



23.7782, 0.2986, 0.3117



23.7782, 0.3271, 0.3254



23.7782, 0.3269, 0.3466

Rectangle

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



23.7782, 0.2985, 0.3325



23.7782, 0.2929, 0.3177



23.7782, 0.3271, 0.3254



23.7782, 0.3330, 0.3398

Sweetspot

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



23.7792, 0.2985, 0.3325



44.1468, 0.3087, 0.3299



23.5826, 0.3137, 0.3561



9.8672, 0.3077, 0.3302



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.7792, 0.2985, 0.3325



42.1494, 0.2955, 0.3333



22.3134, 0.2964, 0.3191



5.6774, 0.3008, 0.3319



17.9029, 0.2361, 0.3699



0.1204, 0.2300, 0.3480

Inverse Universe

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



20.6966, 0.3290, 0.3255



35.5470, 0.3330, 0.3248



22.0345, 0.3303, 0.3387



5.0587, 0.3261, 0.3261



4.9965, 0.6180, 0.3178



0.0344, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 23.7782, 0.2985, 0.3325 looks on a white background.

Color Contrast Check

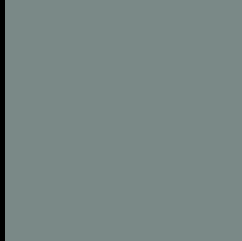
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7782, 0.2985, 0.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

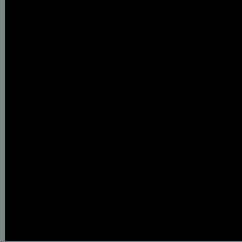
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7782, 0.2985, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 23.7782, 0.2985, 0.3325.



This preview shows how white text looks on a background with the Yxy color 23.7782, 0.2985, 0.3325.

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

23.7782, 0.2985, 0.3325

Protanopia

23.7028, 0.3161, 0.3290

Deuteranopia

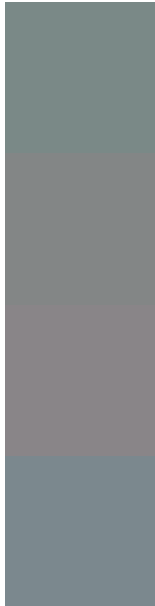
23.7911, 0.3225, 0.3174



Tritanopia

23.6884, 0.2899, 0.3098

Trichromacy



Original Color

23.7782, 0.2985, 0.3325

Protanomaly

23.5967, 0.3094, 0.3290

Deuteranomaly

23.8710, 0.3141, 0.3239

Tritanomaly

23.7723, 0.2927, 0.3184

Monochromacy



Original Color

23.7782, 0.2985, 0.3325

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3328, 0.3070, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7782, 0.2985, 0.3325 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(122, 137, 135)` looks like.

```
.text, #text, p{  
    color:rgb(122, 137, 135)  
}
```

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(122, 137, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 137, 135) }
```

Border

The CSS property to change the border of an element to Yxy 23.7782, 0.2985, 0.3325 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(122, 137, 135) }
```

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

```
.border{ border-color:rgb(122, 137, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 137, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 137, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 137, 135);  
box-shadow:4px 4px 4px 4px rgb(122, 137,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7782, 0.2985, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 137, 135) }
```

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

```
.background{ background-color: rgb(122,  
137, 135) }
```

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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