

Converting Colors

$Yxy(23.8664, 0.2988, 0.3512)$

Have a look what the booklet for
Yxy(23.8664, 0.2988, 0.3512)
contains.

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Color

$\text{Yxy}(23.9333, 0.2989, 0.3528)$

Conversions

Conversions Part 1

Format	Color
Hex	738C7F
RGB	115, 140, 127
RGB Percent	45%, 55%, 50%
CMY	0.5491, 0.4509, 0.5020
CMYK	0.18, 0.00, 0.09, 0.45
HSL	149°, 10%, 50%
HSV	149°, 18%, 55%
XYZ	20.2768, 23.9333, 23.6280
YIQ	131.0430, -10.7270, -9.3430

Conversions

Conversions Part 2

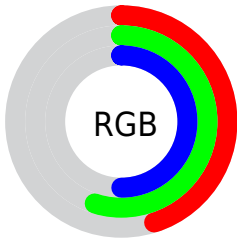
Format	Color
RYB	115, 132, 140
Decimal	7572607
CIELab	56.02, -11.67, 3.99
CIElCh	56, 12.337, 161.137
Yxy	23.9333, 0.2989, 0.3528
Android (android.graphics.Color)	4285762687 (0xFF738C7F)
YUV	131.0430, -1.9932, -14.0697
Hunter-Lab	48.9217, -11.6291, 5.6095

Details

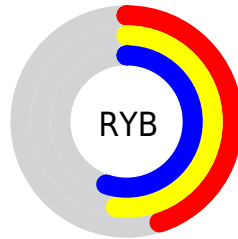
The Yxy color **23.9333, 0.2989, 0.3528** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.3915, 0.3293, 0.3064**, and the grayscale version is **22.7224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0944, 0.3016, 0.3476**, and **9.0206, 0.2927, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **22.8733, 0.2916, 0.3682**, and if you desaturate by 10%, it is **25.1532, 0.3066, 0.3389**.

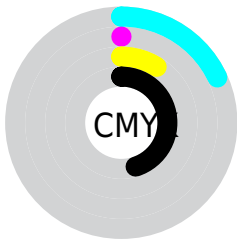
Distribution



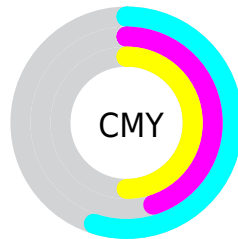
- Red (45%)
- Green (55%)
- Blue (50%)



- Red (45%)
- Yellow (52%)
- Blue (55%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)





- Cyan (55%)
- Magenta (45%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9333, 0.2989, 0.3528 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 23.9333, 0.2989, 0.3528 by changing the saturation by 10% instead.


 23.9333, 0.2989,
0.3528


 23.9333, 0.2989,
0.3528


272.4831, 0.3067,
0.3394


 15.2842, 0.2966,
0.3568


 49.9213, 0.3020,
0.3475


 9.0191, 0.2934,
0.3624


 68.0290, 0.3030,
0.3456

 4.7536, 0.2886,
0.3708


 90.0583, 0.3039,
0.3441

 2.1034, 0.2806,
0.3848

 116.3936, 0.3047,
0.3429

 0.6666, 0.2384,
0.4559

147.4194, 0.3053,
0.3418

 0.0000, 0.0000,
0.0000

183.5199, 0.3058,

0.3409

225.0797, 0.3063,
0.3401

■ 23.9333, 0.2989,
0.3528

■ 23.9333, 0.2989,
0.3528

■ 22.8733, 0.2916,
0.3682

■ 25.1532, 0.3066,
0.3389

■ 21.9634, 0.2849,
0.3849

■ 26.5362, 0.3144,
0.3265

■ 21.1974, 0.2791,
0.4029

■ 28.0896, 0.3222,
0.3154

■ 20.5673, 0.2745,
0.4220

■ 29.8188, 0.3299,
0.3056

■ 20.0644, 0.2715,
0.4417

■ 31.7293, 0.3373,
0.2970

■ 19.6790, 0.2701,
0.4615

■ 33.8264, 0.3445,
0.2895

■ 19.3999, 0.2707,
0.4810

■ 36.1149, 0.3513,
0.2829

■ 19.2045, 0.2728,
0.4997

■ 38.5998, 0.3578,
0.2771

■ 19.1665, 0.2732,
0.5036

■ 41.2855, 0.3639,
0.2721

Harmonies

Analogous

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



23.9333, 0.3204, 0.3649



23.9333, 0.2989, 0.3528



23.9333, 0.2815, 0.3337

Triad

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



23.9333, 0.2989, 0.3528



23.9333, 0.2850, 0.2931



23.9333, 0.3547, 0.3416

Complementary

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



23.9333, 0.2989, 0.3528



19.3915, 0.3293, 0.3064

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.



23.9333, 0.3446, 0.3233



23.9333, 0.2989, 0.3528



23.9333, 0.3039, 0.2959

Square

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



23.9333, 0.2989, 0.3528



23.9333, 0.2737, 0.2994



23.9333, 0.3258, 0.3068



23.9333, 0.3530, 0.3575

Rectangle

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



23.9333, 0.2989, 0.3528



23.9333, 0.2744, 0.3203



23.9333, 0.3258, 0.3068



23.9333, 0.3526, 0.3355

Sweetspot

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



23.9343, 0.2989, 0.3528



44.9867, 0.3087, 0.3353



24.6106, 0.3253, 0.3736



10.3322, 0.3082, 0.3361



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.9343, 0.2989, 0.3528



41.4936, 0.2962, 0.3581



24.2713, 0.2875, 0.3304



5.6456, 0.3056, 0.3406



17.0321, 0.2730, 0.5027



0.1161, 0.2510, 0.4237

Inverse Universe

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



19.3915, 0.3293, 0.3064



32.1206, 0.3332, 0.3016



19.0898, 0.3447, 0.3276



5.0892, 0.3205, 0.3177



5.3829, 0.4820, 0.2429



0.0387, 0.3987, 0.1970

Previews

White Background



This preview shows how the Yxy color 23.9333, 0.2989, 0.3528 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 23.9333, 0.2989, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

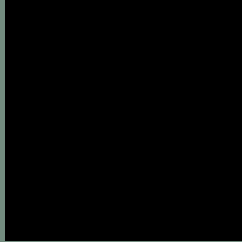
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9333, 0.2989, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 23.9333, 0.2989, 0.3528.



This preview shows how white text looks on a background with the Yxy color 23.9333, 0.2989, 0.3528.

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

23.9333, 0.2989, 0.3528

Protanopia

23.6941, 0.3304, 0.3463

Deuteranopia

23.6751, 0.3365, 0.3291



Tritanopia

23.9514, 0.2832, 0.3097

Trichromacy



Original Color

23.9333, 0.2989, 0.3528

Protanomaly

23.8094, 0.3184, 0.3502

Deuteranomaly

23.6519, 0.3226, 0.3377

Tritanomaly

23.9220, 0.2896, 0.3254

Monochromacy



Original Color

23.9333, 0.2989, 0.3528

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.0219, 0.3068, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9333, 0.2989, 0.3528 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(115, 140, 127)` looks like.

```
.text, #text, p{  
    color:rgb(115, 140, 127)  
}
```

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(115, 140, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 140, 127) }
```

Border

The CSS property to change the border of an element to Yxy 23.9333, 0.2989, 0.3528 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(115, 140, 127) }
```

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

```
.border{ border-color:rgb(115, 140, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 140, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 140, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 140, 127);  
box-shadow:4px 4px 4px 4px rgb(115, 140,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9333, 0.2989, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 140, 127) }
```

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

```
.background{ background-color: rgb(115,  
140, 127) }
```

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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