

Converting Colors

$Y_{xy}(23.5585, 0.2932, 0.3812)$

Have a look what the booklet for
Yxy(23.5585, 0.2932, 0.3812)
contains.

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Color

$Y_{xy}(23.5585, 0.2932, 0.3812)$

Conversions

Conversions Part 1

Format	Color
Hex	638F74
RGB	99, 143, 116
RGB Percent	39%, 56%, 45%
CMY	0.6118, 0.4392, 0.5450
CMYK	0.31, 0.00, 0.19, 0.44
HSL	143°, 18%, 47%
HSV	143°, 31%, 56%
XYZ	18.1200, 23.5585, 20.1224
YIQ	126.7660, -17.5570, -17.7250

Conversions

Conversions Part 2

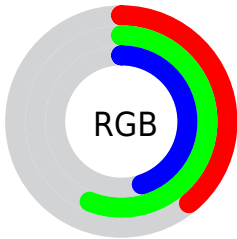
Format	Color
R_{YB}	99, 131, 143
Decimal	6524788
CIE _{Lab}	55.64, -21.04, 9.60
CIE _{LCh}	56, 23.125, 155.468
Yxy	23.5585, 0.2932, 0.3812
Android (android.graphics.Color)	4284714868 (0xFF638F74)
YUV	126.7660, -5.3076, -24.3508
Hunter-Lab	48.5371, -18.3017, 9.3957

Details

The Yxy color $23.5585, 0.2932, 0.3812$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.2658, 0.3391, 0.2821$, and the grayscale version is $21.1618, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.3390, 0.2979, 0.3693$, and $8.7498, 0.2842, 0.4020$ is the 20% darker color. If you saturate the color by 10%, you get $22.6298, 0.2877, 0.4017$, and if you desaturate by 10%, it is $24.6511, 0.2993, 0.3624$.

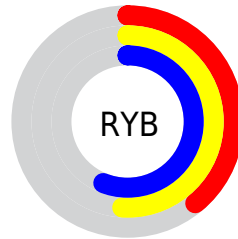
Distribution



Red (39%)

Green (56%)

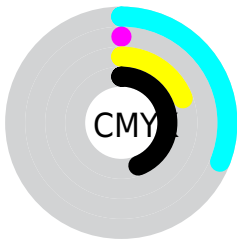
Blue (45%)



Red (39%)

Yellow (51%)

Blue (56%)

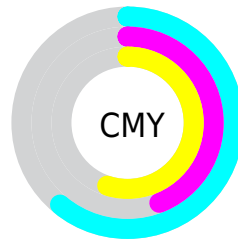


Cyan (31%)

Magenta (0%)

Yellow (19%)

Black (44%)



Cyan (61%)


Magenta (44%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5585, 0.2932, 0.3812 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 23.5585, 0.2932, 0.3812 by changing the saturation by 10% instead.


 23.5585, 0.2932,
0.3812


 23.5585, 0.2932,
0.3812


270.5807, 0.3045,
0.3512


 15.0064, 0.2897,
0.3904


 49.3088, 0.2978,
0.3692


 8.8239, 0.2847,
0.4034


 67.2758, 0.2993,
0.3650

 4.6265, 0.2769,
0.4234

 89.1499, 0.3006,
0.3617

 2.0298, 0.2633,
0.4578

 115.3155, 0.3017,
0.3589

 0.6247, 0.1124,
0.8751

146.1570, 0.3025,
0.3565

 0.0000, 0.0000,
0.0000

182.0587, 0.3033,

0.3545

223.4052, 0.3039,
0.3528

■ 23.5585, 0.2932,
0.3812

■ 23.5585, 0.2932,
0.3812

■ 22.6298, 0.2877,
0.4017

■ 24.6511, 0.2993,
0.3624

■ 21.8539, 0.2831,
0.4236

■ 25.9120, 0.3057,
0.3454

■ 21.2230, 0.2797,
0.4466


■ 27.3494, 0.3122,
0.3301


■ 20.7275, 0.2778,
0.4699

■ 28.9697, 0.3187,
0.3166


■ 20.3564, 0.2775,
0.4928


■ 30.7792, 0.3251,
0.3047


 20.0970, 0.2790,
0.5144

 32.7839, 0.3312,
0.2942

 19.9256, 0.2813,
0.5328

 34.9895, 0.3371,
0.2851

 37.4014, 0.3427,
0.2771

 40.0249, 0.3480,
0.2701

Harmonies

Analogous

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



23.5585, 0.3335, 0.4008



23.5585, 0.2932, 0.3812



23.5585, 0.2596, 0.3446

Triad

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



23.5585, 0.2932, 0.3812



23.5585, 0.2563, 0.2639



23.5585, 0.3906, 0.3441

Complementary

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



23.5585, 0.2932, 0.3812



16.2658, 0.3391, 0.2821

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.



23.5585, 0.3673, 0.3114



23.5585, 0.2932, 0.3812



23.5585, 0.2882, 0.2669

Square

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



23.5585, 0.2932, 0.3812



23.5585, 0.2395, 0.2770



23.5585, 0.3289, 0.2840



23.5585, 0.3911, 0.3754

Rectangle

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



23.5585, 0.2932, 0.3812



23.5585, 0.2451, 0.3181



23.5585, 0.3289, 0.2840



23.5585, 0.3851, 0.3330

Sweetspot

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



23.5595, 0.2932, 0.3812



46.7899, 0.3067, 0.3428



24.9923, 0.3381, 0.4082



10.6557, 0.3058, 0.3449



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.5595, 0.2932, 0.3812



40.9937, 0.2893, 0.3954



24.1291, 0.2741, 0.3384



6.0618, 0.3067, 0.3428



17.6207, 0.2811, 0.5319



0.1726, 0.2579, 0.4483

Inverse Universe

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



16.2658, 0.3391, 0.2821



25.7647, 0.3471, 0.2712



15.7623, 0.3713, 0.3200



5.4761, 0.3192, 0.3156



5.7853, 0.4448, 0.2224



0.0596, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 23.5585, 0.2932, 0.3812 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 23.5585, 0.2932, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

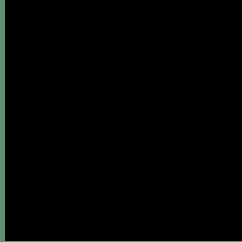
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5585, 0.2932, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 23.5585, 0.2932, 0.3812.



This preview shows how white text looks on a background with the Yxy color 23.5585, 0.2932, 0.3812.

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

23.5585, 0.2932, 0.3812

Protanopia

23.2257, 0.3453, 0.3656

Deuteranopia

23.3496, 0.3509, 0.3441



Tritanopia

23.4111, 0.2701, 0.3091

Trichromacy



Original Color

23.5585, 0.2932, 0.3812

Protanomaly

23.1605, 0.3242, 0.3710

Deuteranomaly

22.9886, 0.3276, 0.3557

Tritanomaly

23.4459, 0.2780, 0.3345

Monochromacy



Original Color

23.5585, 0.2932, 0.3812

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.9870, 0.3051, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5585, 0.2932, 0.3812 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(99, 143, 116)` looks like.

```
.text, #text, p{  
  color:rgb(99, 143, 116)  
}
```

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(99, 143, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 143, 116) }
```

Border

The CSS property to change the border of an element to Yxy 23.5585, 0.2932, 0.3812 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(99, 143, 116) }
```

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

```
.border{ border-color:rgb(99, 143, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 143, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 143, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 143, 116);  
box-shadow:4px 4px 4px 4px rgb(99, 143,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5585, 0.2932, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 143, 116) }
```

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

```
.background{ background-color: rgb(99, 143,  
116) }
```

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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