

Converting Colors

$Y_{xy}(23.3592, 0.2954, 0.3833)$

Have a look what the booklet for
Yxy(23.3592, 0.2954, 0.3833)
contains.

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Color

$Y_{xy}(23.2702, 0.2960, 0.3834)$

Conversions

Conversions Part 1

Format	Color
Hex	648E72
RGB	100, 142, 114
RGB Percent	39%, 56%, 45%
CMY	0.6078, 0.4431, 0.5530
CMYK	0.30, 0.00, 0.20, 0.44
HSL	140°, 17%, 47%
HSV	140°, 30%, 56%
XYZ	17.9655, 23.2702, 19.4586
YIQ	126.2500, -16.0440, -17.6120

Conversions

Conversions Part 2

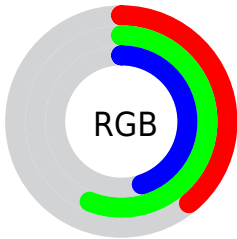
Format	Color
R_{YB}	100, 132, 142
Decimal	6590066
CIE _{Lab}	55.35, -20.59, 10.36
CIE _{LCh}	55, 23.053, 153.288
Y _{xy}	23.2702, 0.2960, 0.3834
Android (android.graphics.Color)	4284780146 (0xFF648E72)
YUV	126.2500, -6.0392, -23.0212
Hunter-Lab	48.2392, -17.9406, 9.8512

Details

The Yxy color $23.2702, 0.2960, 0.3834$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.4263, 0.3346, 0.2803$, and the grayscale version is $20.9791, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9084, 0.3000, 0.3708$, and $8.5793, 0.2878, 0.4055$ is the 20% darker color. If you saturate the color by 10%, you get $22.3260, 0.2910, 0.4056$, and if you desaturate by 10%, it is $24.3798, 0.3015, 0.3631$.

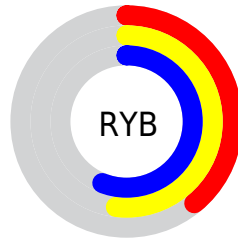
Distribution



Red (39%)

Green (56%)

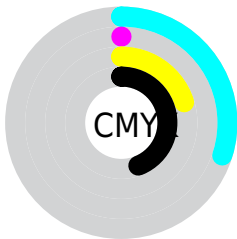
Blue (45%)



Red (39%)

Yellow (52%)

Blue (56%)

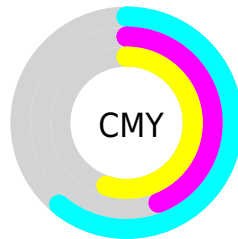


Cyan (30%)

Magenta (0%)

Yellow (20%)

Black (44%)



Cyan (61%)


Magenta (44%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2702, 0.2960, 0.3834 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 23.2702, 0.2960, 0.3834 by changing the saturation by 10% instead.


 23.2702, 0.2960,
0.3834


 23.2702, 0.2960,
0.3834


269.1098, 0.3058,
0.3521


 14.7931, 0.2929,
0.3930


 48.8366, 0.3000,
0.3708


 8.6743, 0.2884,
0.4067


 66.6948, 0.3014,
0.3665

 4.5294, 0.2814,
0.4278

 88.4487, 0.3025,
0.3630

 1.9739, 0.2687,
0.4643

 114.4829, 0.3034,
0.3600

 0.5922, 0.0923,
0.9077

145.1817, 0.3041,
0.3576

 0.0000, 0.0000,
0.0000

180.9296, 0.3048,

0.3555

222.1108, 0.3053,
0.3537

■ 23.2702, 0.2960,
0.3834

■ 23.2702, 0.2960,
0.3834

■ 22.3260, 0.2910,
0.4056

■ 24.3798, 0.3015,
0.3631

■ 21.5364, 0.2868,
0.4294

■ 25.6594, 0.3072,
0.3447

■ 20.8935, 0.2836,
0.4543

■ 27.1170, 0.3130,
0.3283

■ 20.3879, 0.2818,
0.4794

■ 28.7590, 0.3187,
0.3139

■ 20.0087, 0.2816,
0.5039

■ 30.5918, 0.3242,
0.3012

■ 19.7435, 0.2830,
0.5266

■ 32.6212, 0.3296,
0.2900

■ 19.5613, 0.2854,
0.5469

■ 34.8531, 0.3346,
0.2803

■ 19.5541, 0.2855,
0.5478

■ 37.2928, 0.3394,
0.2718

■ 39.9455, 0.3439,
0.2644

Harmonies

Analogous

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



23.2702, 0.3364, 0.4014



23.2702, 0.2960, 0.3834



23.2702, 0.2616, 0.3476

Triad

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



23.2702, 0.2960, 0.3834



23.2702, 0.2544, 0.2643



23.2702, 0.3897, 0.3417

Complementary

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



23.2702, 0.2960, 0.3834



16.4263, 0.3346, 0.2803

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.



23.2702, 0.3649, 0.3092



23.2702, 0.2960, 0.3834



23.2702, 0.2855, 0.2661

Square

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



23.2702, 0.2960, 0.3834



23.2702, 0.2389, 0.2786



23.2702, 0.3259, 0.2823



23.2702, 0.3920, 0.3734

Rectangle

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



23.2702, 0.2960, 0.3834



23.2702, 0.2462, 0.3209



23.2702, 0.3259, 0.2823



23.2702, 0.3837, 0.3306

Sweetspot

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



23.2712, 0.2960, 0.3834



45.3395, 0.3074, 0.3440



24.9112, 0.3403, 0.4040



10.0571, 0.3067, 0.3463



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.



23.2712, 0.2960, 0.3834



39.9759, 0.2929, 0.3969



23.7864, 0.2779, 0.3433



6.0571, 0.3074, 0.3440



17.5591, 0.2853, 0.5470



0.1716, 0.2623, 0.4642

Inverse Universe

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



16.4263, 0.3346, 0.2803



26.0321, 0.3406, 0.2699



15.9435, 0.3640, 0.3153



5.4809, 0.3184, 0.3144



5.9046, 0.4239, 0.2109



0.0606, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 23.2702, 0.2960, 0.3834 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 23.2702, 0.2960, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

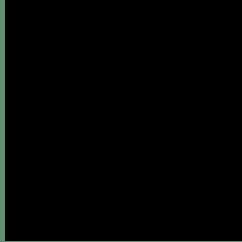
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2702, 0.2960, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 23.2702, 0.2960, 0.3834.



This preview shows how white text looks on a background with the Yxy color 23.2702, 0.2960, 0.3834.

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

23.2702, 0.2960, 0.3834

Protanopia

23.1821, 0.3476, 0.3691

Deuteranopia

22.9471, 0.3523, 0.3458



Tritanopia

23.1552, 0.2717, 0.3091

Trichromacy



Original Color

23.2702, 0.2960, 0.3834

Protanomaly

23.1160, 0.3263, 0.3747

Deuteranomaly

22.6690, 0.3300, 0.3576

Tritanomaly

23.1859, 0.2797, 0.3345

Monochromacy



Original Color

23.2702, 0.2960, 0.3834

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6896, 0.3062, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2702, 0.2960, 0.3834 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(100, 142, 114)` looks like.

```
.text, #text, p{  
    color:rgb(100, 142, 114)  
}
```

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(100, 142, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 142, 114) }
```

Border

The CSS property to change the border of an element to Yxy 23.2702, 0.2960, 0.3834 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(100, 142, 114) }
```

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

```
.border{ border-color:rgb(100, 142, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 142, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 142, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 142, 114);  
box-shadow:4px 4px 4px 4px rgb(100, 142,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2702, 0.2960, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 142, 114) }
```

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

```
.background{ background-color: rgb(100,  
142, 114) }
```

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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