

Converting Colors

$Y_{xy}(23.2058, 0.2817, 0.3665)$

Have a look what the booklet for
Yxy(23.2058, 0.2817, 0.3665)
contains.

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Color

Yxy(23.1032, 0.2814, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	5D8E7B
RGB	93, 142, 123
RGB Percent	36%, 56%, 48%
CMY	0.6352, 0.4431, 0.5177
CMYK	0.34, 0.00, 0.13, 0.44
HSL	157°, 21%, 46%
HSV	157°, 34%, 56%
XYZ	17.7630, 23.1032, 22.2573
YIQ	125.1830, -23.1050, -16.2970

Conversions

Conversions Part 2

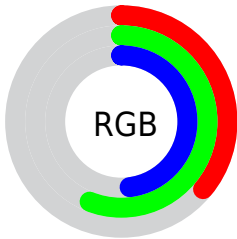
Format	Color
R_{YB}	93, 123, 142
Decimal	6131323
CIE _{Lab}	55.18, -20.94, 4.91
CIE _{LCh}	55, 21.505, 166.812
Yxy	23.1032, 0.2814, 0.3660
Android (android.graphics.Color)	4284321403 (0xFF5D8E7B)
YUV	125.1830, -1.0762, -28.2245
Hunter-Lab	48.0658, -18.1496, 6.1912

Details

The Yxy color **23.1032, 0.2814, 0.3660** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7535, 0.3600, 0.2951**, and the grayscale version is **20.5840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5947, 0.2887, 0.3583**, and **8.5121, 0.2694, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **22.2963, 0.2740, 0.3789**, and if you desaturate by 10%, it is **24.0574, 0.2898, 0.3540**.

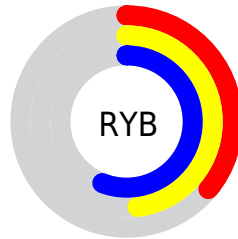
Distribution



Red (36%)

Green (56%)

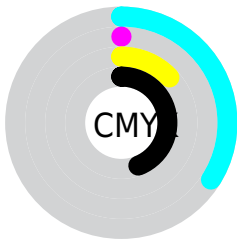
Blue (48%)



Red (36%)

Yellow (48%)

Blue (56%)

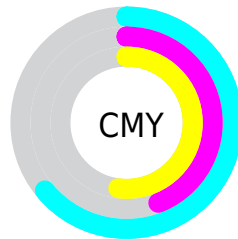


Cyan (34%)

Magenta (0%)

Yellow (13%)

Black (44%)



Cyan (64%)


Magenta (44%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1032, 0.2814, 0.3660 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 23.1032, 0.2814, 0.3660 by changing the saturation by 10% instead.


 23.1032, 0.2814,
0.3660

 23.1032, 0.2814,
0.3660


268.2546, 0.2991,
0.3449


 14.6697, 0.2761,
0.3724


 48.5627, 0.2884,
0.3576


 8.5879, 0.2688,
0.3814


 66.3576, 0.2908,
0.3547

 4.4734, 0.2577,
0.3952

 88.0417, 0.2928,
0.3523

 1.9417, 0.2394,
0.4186

 113.9994, 0.2945,
0.3503

 0.5733, 0.0380,
0.6454

144.6152, 0.2959,
0.3486

 0.0000, 0.0000,
0.0000

180.2733, 0.2971,

0.3472

221.3584, 0.2982,
0.3460

■ 23.1032, 0.2814,
0.3660

■ 23.1032, 0.2814,
0.3660

■ 22.2963, 0.2740,
0.3789

■ 24.0574, 0.2898,
0.3540

■ 21.6261, 0.2677,
0.3925

■ 25.1631, 0.2989,
0.3431

■ 21.0851, 0.2631,
0.4068


■ 26.4281, 0.3084,
0.3331

■ 20.6636, 0.2601,
0.4214

■ 27.8586, 0.3181,
0.3242

■ 20.3510, 0.2591,
0.4362


■ 29.4606, 0.3278,
0.3162

 20.1334, 0.2599,
0.4507

 31.2396, 0.3374,
0.3092

 20.0324, 0.2607,
0.4586

 33.2011, 0.3468,
0.3030

 35.3501, 0.3558,
0.2975

 37.6917, 0.3645,
0.2927

Harmonies

Analogous

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



23.1032, 0.3179, 0.3915



23.1032, 0.2814, 0.3660



23.1032, 0.2543, 0.3295

Triad

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



23.1032, 0.2814, 0.3660



23.1032, 0.2697, 0.2671



23.1032, 0.3884, 0.3551

Complementary

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



23.1032, 0.2814, 0.3660



14.7535, 0.3600, 0.2951

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.



23.1032, 0.3742, 0.3240



23.1032, 0.2814, 0.3660



23.1032, 0.3038, 0.2752

Square

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



23.1032, 0.2814, 0.3660



23.1032, 0.2480, 0.2738



23.1032, 0.3425, 0.2956



23.1032, 0.3807, 0.3820

Rectangle

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



23.1032, 0.2814, 0.3660



23.1032, 0.2445, 0.3060



23.1032, 0.3425, 0.2956



23.1032, 0.3860, 0.3448

Sweetspot

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



23.1041, 0.2814, 0.3660



45.2935, 0.3029, 0.3387



23.6219, 0.3289, 0.4220



10.0562, 0.3017, 0.3399



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.



23.1041, 0.2814, 0.3660



39.6693, 0.2758, 0.3754



22.2017, 0.2643, 0.3196



6.0813, 0.3039, 0.3377



17.9895, 0.2606, 0.4580



0.1763, 0.2427, 0.3938

Inverse Universe

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



14.7535, 0.3600, 0.2951



22.7564, 0.3746, 0.2878



15.2614, 0.3875, 0.3381



5.4566, 0.3225, 0.3205



5.4155, 0.5363, 0.2728



0.0559, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 23.1032, 0.2814, 0.3660 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 23.1032, 0.2814, 0.3660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

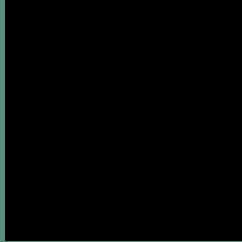
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1032, 0.2814, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 23.1032, 0.2814, 0.3660.



This preview shows how white text looks on a background with the Yxy color 23.1032, 0.2814, 0.3660.

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

23.1032, 0.2814, 0.3660

Protanopia

22.8353, 0.3352, 0.3536

Deuteranopia

22.7961, 0.3368, 0.3308



Tritanopia

22.9995, 0.2639, 0.3087

Trichromacy



Original Color

23.1032, 0.2814, 0.3660

Protanomaly

22.7248, 0.3136, 0.3585

Deuteranomaly

22.4952, 0.3144, 0.3416

Tritanomaly

22.9001, 0.2698, 0.3270

Monochromacy



Original Color

23.1032, 0.2814, 0.3660

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1985, 0.2997, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1032, 0.2814, 0.3660 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(93, 142, 123)` looks like.

```
.text, #text, p{  
    color:rgb(93, 142, 123)  
}
```

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(93, 142, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 142, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.1032, 0.2814, 0.3660 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(93, 142, 123) }
```

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

```
.border{ border-color:rgb(93, 142, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 142, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 142, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 142, 123);  
box-shadow:4px 4px 4px 4px rgb(93, 142,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1032, 0.2814, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 142, 123) }
```

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

```
.background{ background-color: rgb(93, 142,  
123) }
```

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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