

Converting Colors

$Y_{xy}(23.5081, 0.3129, 0.4125)$

Have a look what the booklet for
Yxy(23.5081, 0.3129, 0.4125)
contains.

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Color

Yxy(23.5081, 0.3129, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	688F64
RGB	104, 143, 100
RGB Percent	41%, 56%, 39%
CMY	0.5921, 0.4392, 0.6079
CMYK	0.27, 0.00, 0.30, 0.44
HSL	114°, 18%, 48%
HSV	114°, 30%, 56%
XYZ	17.8320, 23.5081, 15.6493
YIQ	126.4370, -9.4410, -21.6410

Conversions

Conversions Part 2

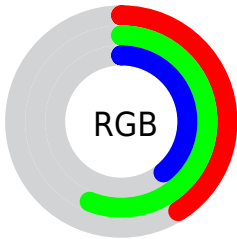
Format	Color
R_{YB}	100, 143, 139
Decimal	6852452
CIE _{Lab}	55.59, -22.35, 18.67
CIE _{LCh}	56, 29.123, 140.125
Yxy	23.5081, 0.3129, 0.4125
Android (android.graphics.Color)	4285042532 (0xFF688F64)
YUV	126.4370, -13.0334, -19.6772
Hunter-Lab	48.4852, -19.1999, 14.8029

Details

The Yxy color **23.5081, 0.3129, 0.4125** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.5805, 0.3108, 0.2556**, and the grayscale version is **21.0692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2348, 0.3136, 0.3932**, and **8.7236, 0.3100, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **22.5391, 0.3124, 0.4454**, and if you desaturate by 10%, it is **24.6469, 0.3131, 0.3818**.

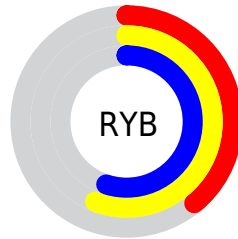
Distribution



Red (41%)

Green (56%)

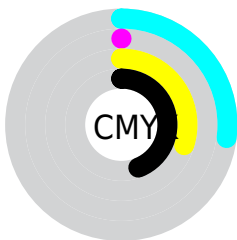
Blue (39%)



Red (39%)

Yellow (56%)

Blue (55%)

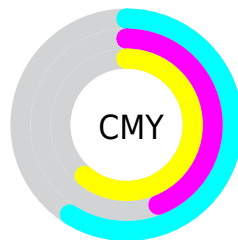


Cyan (27%)

Magenta (0%)

Yellow (30%)

Black (44%)



Cyan (59%)


Magenta (44%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5081, 0.3129, 0.4125 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 23.5081, 0.3129, 0.4125 by changing the saturation by 10% instead.


 23.5081, 0.3129,
0.4125


 23.5081, 0.3129,
0.4125


270.3241, 0.3139,
0.3641


 14.9691, 0.3120,
0.4274


 49.2263, 0.3136,
0.3930


 8.7977, 0.3104,
0.4487


 67.1743, 0.3138,
0.3863

 4.6095, 0.3068,
0.4812

 89.0275, 0.3138,
0.3809

 2.0200, 0.3018,
0.5437

 115.1701, 0.3139,
0.3764

 0.6191, 0.0647,
0.9353

145.9867, 0.3139,
0.3726

 0.0000, 0.0000,
0.0000

181.8617, 0.3139,

0.3694

223.1793, 0.3139,
0.3666

■ 23.5081, 0.3129,
0.4125

■ 23.5081, 0.3129,
0.4125

■ 22.5391, 0.3124,
0.4454

■ 24.6469, 0.3131,
0.3818

■ 21.7290, 0.3116,
0.4794

■ 25.9600, 0.3130,
0.3540

■ 21.0701, 0.3103,
0.5127


■ 27.4553, 0.3127,
0.3292


■ 20.5530, 0.3086,
0.5430

■ 29.1394, 0.3123,
0.3074

■ 20.1672, 0.3066,
0.5681

■ 31.0187, 0.3119,
0.2884

 19.9007, 0.3044,
0.5861

 33.0990, 0.3114,
0.2719

 19.7342, 0.3028,
0.5978

 35.3862, 0.3108,
0.2576

 37.8857, 0.3103,
0.2452

 40.6029, 0.3098,
0.2345

Harmonies

Analogous

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



23.5081, 0.3625, 0.4211



23.5081, 0.3129, 0.4125



23.5081, 0.2655, 0.3744

Triad

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



23.5081, 0.3129, 0.4125



23.5081, 0.2295, 0.2536



23.5081, 0.3993, 0.3256

Complementary

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



23.5081, 0.3129, 0.4125



16.5805, 0.3108, 0.2556

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.



23.5081, 0.3579, 0.2884



23.5081, 0.3129, 0.4125



23.5081, 0.2595, 0.2481

Square

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



23.5081, 0.3129, 0.4125



23.5081, 0.2200, 0.2792



23.5081, 0.3058, 0.2608



23.5081, 0.4150, 0.3661

Rectangle

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



23.5081, 0.3129, 0.4125



23.5081, 0.2413, 0.3402



23.5081, 0.3058, 0.2608



23.5081, 0.3878, 0.3125

Sweetspot

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



23.5091, 0.3129, 0.4125



46.7147, 0.3130, 0.3516



25.1380, 0.3584, 0.3949



10.6361, 0.3130, 0.3551



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.



23.5091, 0.3129, 0.4125



40.9076, 0.3126, 0.4343



23.6426, 0.2931, 0.3787



6.0521, 0.3130, 0.3516



17.4529, 0.3029, 0.5977



0.1707, 0.3164, 0.5870

Inverse Universe

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



16.5805, 0.3108, 0.2556



26.4653, 0.3100, 0.2393



16.4517, 0.3392, 0.2842



5.4857, 0.3123, 0.3072



5.9266, 0.2980, 0.1416



0.0615, 0.3101, 0.1482

Previews

White Background



This preview shows how the Yxy color 23.5081, 0.3129, 0.4125 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 23.5081, 0.3129, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

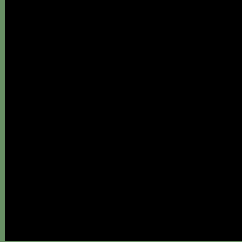
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5081, 0.3129, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 23.5081, 0.3129, 0.4125.



This preview shows how white text looks on a background with the Yxy color 23.5081, 0.3129, 0.4125.

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

23.5081, 0.3129, 0.4125

Protanopia

23.4409, 0.3665, 0.3945

Deuteranopia

23.1266, 0.3755, 0.3686



Tritanopia

23.4742, 0.2764, 0.3093

Trichromacy



Original Color

23.5081, 0.3129, 0.4125

Protanomaly

23.4215, 0.3455, 0.4014

Deuteranomaly

22.9686, 0.3501, 0.3840

Tritanomaly

23.3551, 0.2890, 0.3438

Monochromacy



Original Color

23.5081, 0.3129, 0.4125

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6384, 0.3125, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5081, 0.3129, 0.4125 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(104, 143, 100)` looks like.

```
.text, #text, p{  
    color:rgb(104, 143, 100)  
}
```

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(104, 143, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 143, 100) }
```

Border

The CSS property to change the border of an element to Yxy 23.5081, 0.3129, 0.4125 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(104, 143, 100) }
```

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

```
.border{ border-color:rgb(104, 143, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 143, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 143, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 143, 100);  
box-shadow:4px 4px 4px 4px rgb(104, 143,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5081, 0.3129, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 143, 100) }
```

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

```
.background{ background-color: rgb(104,  
143, 100) }
```

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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