

Converting Colors

$Y_{xy}(22.9298, 0.3073, 0.4451)$

Have a look what the booklet for
Yxy(22.9298, 0.3073, 0.4451)
contains.

Yxy(23.0301, 0.3073, 0.4448)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.0301, 0.3073, 0.4448)

Conversions

Conversions Part 1

Format	Color
Hex	589158
RGB	88, 145, 88
RGB Percent	35%, 57%, 35%
CMY	0.6549, 0.4314, 0.6550
CMYK	0.39, 0.00, 0.39, 0.43
HSL	120°, 24%, 46%
HSV	120°, 39%, 57%
XYZ	15.9109, 23.0301, 12.8353
YIQ	121.4590, -15.6750, -29.8110

Conversions

Conversions Part 2

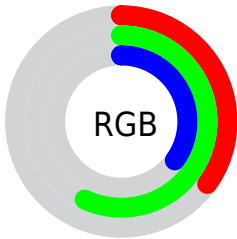
Format	Color
R_{YB}	88, 145, 145
Decimal	5804376
CIE _{Lab}	55.10, -30.92, 24.53
CIE _{LCh}	55, 39.464, 141.573
Yxy	23.0301, 0.3073, 0.4448
Android (android.graphics.Color)	4283994456 (0xFF589158)
YUV	121.4590, -16.4953, -29.3435
Hunter-Lab	47.9897, -24.8007, 17.7350

Details

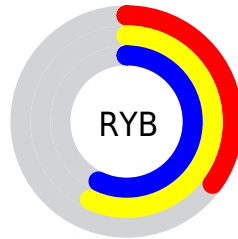
The Yxy color **23.0301, 0.3073, 0.4448** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0397, 0.3171, 0.2352**, and the grayscale version is **19.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2864, 0.3094, 0.4161**, and **8.5588, 0.3003, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **22.1758, 0.3057, 0.4797**, and if you desaturate by 10%, it is **24.0749, 0.3089, 0.4112**.

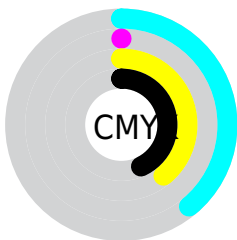
Distribution



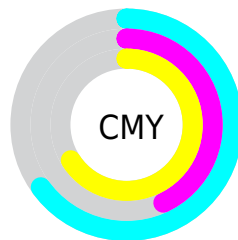
- Red (35%)
- Green (57%)
- Blue (35%)



- Red (35%)
- Yellow (57%)
- Blue (57%)



- Cyan (39%)
- Magenta (0%)
- Yellow (39%)
- Black (43%)





- Cyan (65%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0301, 0.3073, 0.4448 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 23.0301, 0.3073, 0.4448 by changing the saturation by 10% instead.


 23.0301, 0.3073,
0.4448

 23.0301, 0.3073,
0.4448


267.8796, 0.3124,
0.3768


 14.6157, 0.3046,
0.4662


 48.4427, 0.3100,
0.4171

 8.5501, 0.3000,
0.4968


 66.2098, 0.3107,
0.4077


 4.4489, 0.2907,
0.5437

 87.8632, 0.3112,
0.4000

 1.9277, 0.2910,
0.6722

 113.7874, 0.3116,
0.3937

 0.5650, 0.0000,
1.0000

 144.3668, 0.3119,
0.3885

 0.0000, 0.0000,
0.0000

179.9856, 0.3121,

0.3840

221.0284, 0.3122,
0.3801

■ 23.0301, 0.3073,
0.4448

■ 23.0301, 0.3073,
0.4448

■ 22.1758, 0.3057,
0.4797

■ 24.0749, 0.3089,
0.4112

■ 21.4977, 0.3041,
0.5139

■ 25.3174, 0.3103,
0.3801

■ 20.9844, 0.3026,
0.5450


■ 26.7683, 0.3116,
0.3521

■ 20.6219, 0.3014,
0.5704


■ 28.4365, 0.3128,
0.3274

■ 20.3938, 0.3006,
0.5882


■ 30.3303, 0.3138,
0.3060


 20.2607, 0.3000,
0.5993

 32.4578, 0.3147,
0.2874

 20.2523, 0.3000,
0.6000

 34.8266, 0.3154,
0.2714

 37.4439, 0.3160,
0.2577

 40.3166, 0.3166,
0.2459

Harmonies

Analogous

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



23.0301, 0.3742, 0.4553



23.0301, 0.3073, 0.4448



23.0301, 0.2454, 0.3886

Triad

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



23.0301, 0.3073, 0.4448



23.0301, 0.2043, 0.2276



23.0301, 0.4332, 0.3246

Complementary

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



23.0301, 0.3073, 0.4448



15.0397, 0.3171, 0.2352

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.



23.0301, 0.3770, 0.2768



23.0301, 0.3073, 0.4448



23.0301, 0.2437, 0.2232

Square

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



23.0301, 0.3073, 0.4448



23.0301, 0.1908, 0.2579



23.0301, 0.3056, 0.2410



23.0301, 0.4514, 0.3770

Rectangle

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



23.0301, 0.3073, 0.4448



23.0301, 0.2151, 0.3392



23.0301, 0.3056, 0.2410



23.0301, 0.4179, 0.3078

Sweetspot

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



23.0311, 0.3073, 0.4448



47.1353, 0.3113, 0.3600



26.6871, 0.3703, 0.4219



10.4197, 0.3111, 0.3630



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.



23.0311, 0.3073, 0.4448



39.8981, 0.3059, 0.4750



23.5762, 0.2838, 0.3873



6.0295, 0.3117, 0.3517



17.3701, 0.3000, 0.6000



0.1661, 0.3001, 0.6000

Inverse Universe

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



15.0397, 0.3171, 0.2352



23.5545, 0.3180, 0.2164



14.2917, 0.3577, 0.2778



5.5110, 0.3137, 0.3073



6.9133, 0.3208, 0.1541



0.0661, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 23.0301, 0.3073, 0.4448 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 23.0301, 0.3073, 0.4448 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 23.0301, 0.3073, 0.4448

Background



This preview shows how black text looks on a background with the Yxy color 23.0301, 0.3073, 0.4448.



This preview shows how white text looks on a background with the Yxy color 23.0301, 0.3073, 0.4448.

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

23.0301, 0.3073, 0.4448

Protanopia

22.6968, 0.3808, 0.4115

Deuteranopia

22.7623, 0.3905, 0.3847



Tritanopia

23.0562, 0.2648, 0.3088

Trichromacy



Original Color

23.0301, 0.3073, 0.4448

Protanomaly

22.4751, 0.3509, 0.4237

Deuteranomaly

22.3557, 0.3559, 0.4052

Tritanomaly

23.0689, 0.2805, 0.3559

Monochromacy



Original Color

23.0301, 0.3073, 0.4448

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.3206, 0.3108, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0301, 0.3073, 0.4448 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(88, 145, 88)` looks like.

```
.text, #text, p{  
    color:rgb(88, 145, 88)  
}
```

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(88, 145, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 145, 88) }
```

Border

The CSS property to change the border of an element to Yxy 23.0301, 0.3073, 0.4448 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(88, 145, 88) }
```

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

```
.border{ border-color:rgb(88, 145, 88) }
```

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

Here you see how a box with a 4 pixel rgb(88, 145, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 145, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 145, 88);  
box-shadow:4px 4px 4px 4px rgb(88, 145,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0301, 0.3073, 0.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 145, 88) }
```

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

```
.background{ background-color: rgb(88, 145,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor