

Converting Colors

$Y_{xy}(23.4569, 0.3356, 0.4670)$

Have a look what the booklet for
Yxy(23.4569, 0.3356, 0.4670)
contains.

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Color

Yxy(23.3111, 0.3354, 0.4662)

Conversions

Conversions Part 1

Format	Color
Hex	679049
RGB	103, 144, 73
RGB Percent	40%, 56%, 29%
CMY	0.5960, 0.4353, 0.7137
CMYK	0.28, 0.00, 0.49, 0.44
HSL	95°, 33%, 43%
HSV	95°, 49%, 56%
XYZ	16.7708, 23.3111, 9.9205
YIQ	123.6470, -1.6450, -30.7730

Conversions

Conversions Part 2

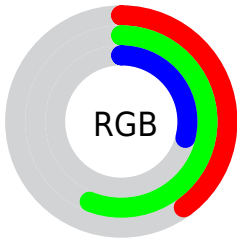
Format	Color
R_{YB}	73, 144, 114
Decimal	6787145
CIE _{Lab}	55.39, -27.28, 33.09
CIE _{LCh}	55, 42.888, 129.500
Yxy	23.3111, 0.3354, 0.4662
Android (android.graphics.Color)	4284977225 (0xFF679049)
YUV	123.6470, -24.9690, -18.1074
Hunter-Lab	48.2816, -22.4901, 21.6147

Details

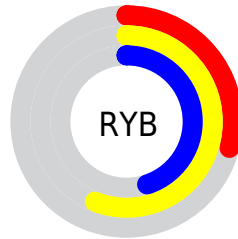
The Yxy color **23.3111, 0.3354, 0.4662** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3573, 0.2743, 0.1979**, and the grayscale version is **20.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8861, 0.3330, 0.4343**, and **8.6558, 0.3366, 0.5242** is the 20% darker color. If you saturate the color by 10%, you get **22.6751, 0.3374, 0.4955**, and if you desaturate by 10%, it is **24.0422, 0.3321, 0.4361**.

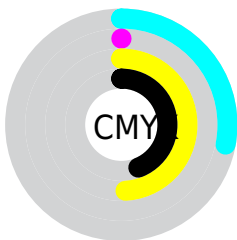
Distribution



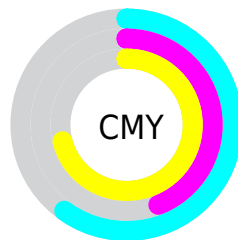
- Red (40%)
- Green (56%)
- Blue (29%)



- Red (29%)
- Yellow (56%)
- Blue (45%)



- Cyan (28%)
- Magenta (0%)
- Yellow (49%)
- Black (44%)





- Cyan (60%)
- Magenta (44%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3111, 0.3354, 0.4662 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 23.3111, 0.3354, 0.4662 by changing the saturation by 10% instead.


 23.3111, 0.3354,
0.4662

 23.3111, 0.3354,
0.4662


 269.3189, 0.3258,
0.3864

 14.8234, 0.3363,
0.4903


 48.9036, 0.3327,
0.4342


 8.6955, 0.3357,
0.5240


 66.7773, 0.3314,
0.4231


 4.5431, 0.3316,
0.5740

 88.5483, 0.3302,
0.4141

 1.9818, 0.3260,
0.6740

 114.6012, 0.3292,
0.4066

 0.5969, 0.0000,
1.0000

 145.3203, 0.3282,
0.4004

 0.0000, 0.0000,
0.0000

181.0900, 0.3273,

0.3950

222.2947, 0.3265,
0.3904

■ 23.3111, 0.3354,
0.4662

■ 23.3111, 0.3354,
0.4662

■ 22.6751, 0.3374,
0.4955

■ 24.0422, 0.3321,
0.4361

■ 22.1268, 0.3378,
0.5224

■ 24.8696, 0.3278,
0.4064

■ 21.6621, 0.3363,
0.5455


■ 25.7982, 0.3229,
0.3781

■ 21.2753, 0.3329,
0.5635

■ 26.8315, 0.3177,
0.3516

■ 20.9550, 0.3284,
0.5768


■ 27.9732, 0.3123,
0.3274

 20.9342, 0.3281,
0.5777

 29.2264, 0.3071,
0.3054

 30.5942, 0.3020,
0.2857

 32.0797, 0.2971,
0.2681

 33.6858, 0.2925,
0.2525

Harmonies

Analogous

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



23.3111, 0.4040, 0.4557



23.3111, 0.3354, 0.4662



23.3111, 0.2645, 0.4234

Triad

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



23.3111, 0.3354, 0.4662



23.3111, 0.1877, 0.2294



23.3111, 0.4225, 0.3021

Complementary

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



23.3111, 0.3354, 0.4662



10.3573, 0.2743, 0.1979

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.



23.3111, 0.3511, 0.2557



23.3111, 0.3354, 0.4662



23.3111, 0.2184, 0.2146

Square

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



23.3111, 0.3354, 0.4662



23.3111, 0.1846, 0.2732



23.3111, 0.2755, 0.2247



23.3111, 0.4604, 0.3565

Rectangle

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



23.3111, 0.3354, 0.4662



23.3111, 0.2257, 0.3725



23.3111, 0.2755, 0.2247



23.3111, 0.4011, 0.2853

Sweetspot

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



23.3121, 0.3354, 0.4662



46.2068, 0.3208, 0.3673



18.2739, 0.4073, 0.3993



10.5189, 0.3218, 0.3723



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.



23.3121, 0.3354, 0.4662



39.8991, 0.3375, 0.4981



21.9098, 0.3020, 0.4697



6.1338, 0.3176, 0.3513



18.2432, 0.3285, 0.5774



0.1869, 0.3632, 0.5498

Inverse Universe

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



10.3573, 0.2743, 0.1979



14.3170, 0.2628, 0.1690



12.5677, 0.3251, 0.2201



5.3990, 0.3074, 0.3069



3.3744, 0.2205, 0.0989



0.0453, 0.2657, 0.1238

Previews

White Background



This preview shows how the Yxy color 23.3111, 0.3354, 0.4662 looks on a white background.

Color Contrast Check

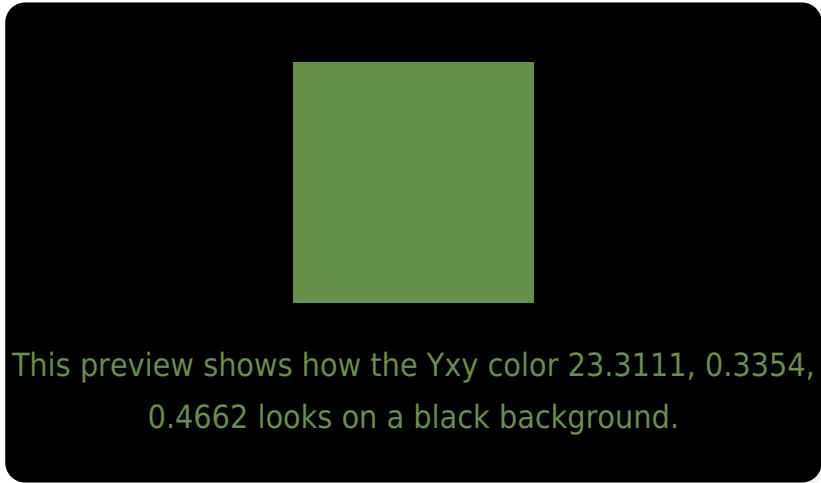
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.3111, 0.3354, 0.4662

Background



This preview shows how black text looks on a background with the Yxy color 23.3111, 0.3354, 0.4662.



This preview shows how white text looks on a background with the Yxy color 23.3111, 0.3354, 0.4662.

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

23.3111, 0.3354, 0.4662

Protanopia

23.0432, 0.3982, 0.4333

Deuteranopia

23.0346, 0.4140, 0.4058



Tritanopia

23.2923, 0.2790, 0.3093

Trichromacy



Original Color

23.3111, 0.3354, 0.4662

Protanomaly

22.7963, 0.3741, 0.4461

Deuteranomaly

22.8723, 0.3829, 0.4271

Tritanomaly

23.1363, 0.3004, 0.3648

Monochromacy



Original Color

23.3111, 0.3354, 0.4662

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.9655, 0.3231, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3111, 0.3354, 0.4662 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(103, 144, 73)` looks like.

```
.text, #text, p{  
    color:rgb(103, 144, 73)  
}
```

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(103, 144, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 144, 73) }
```

Border

The CSS property to change the border of an element to Yxy 23.3111, 0.3354, 0.4662 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(103, 144, 73) }
```

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

```
.border{ border-color:rgb(103, 144, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 144, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 144, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 144, 73);  
box-shadow:4px 4px 4px 4px rgb(103, 144,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3111, 0.3354, 0.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 144, 73) }
```

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

```
.background{ background-color: rgb(103,  
144, 73) }
```

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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