

Converting Colors

$Y_{xy}(23.2097, 0.3045, 0.4090)$

Have a look what the booklet for
Yxy(23.2097, 0.3045, 0.4090)
contains.

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Color

Yxy(23.2009, 0.3049, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	628F66
RGB	98, 143, 102
RGB Percent	38%, 56%, 40%
CMY	0.6157, 0.4392, 0.5999
CMYK	0.31, 0.00, 0.29, 0.44
HSL	125°, 19%, 47%
HSV	125°, 31%, 56%
XYZ	17.2578, 23.2009, 16.1427
YIQ	124.8710, -13.6590, -22.2910

Conversions

Conversions Part 2

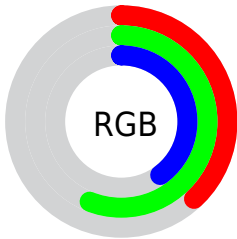
Format	Color
R_{YB}	98, 139, 143
Decimal	6459238
CIE _{Lab}	55.28, -24.11, 17.04
CIE _{LCh}	55, 29.521, 144.742
Yxy	23.2009, 0.3049, 0.4099
Android (android.graphics.Color)	4284649318 (0xFF628F66)
YUV	124.8710, -11.2754, -23.5659
Hunter-Lab	48.1673, -20.3384, 13.8468

Details

The Yxy color $23.2009, 0.3049, 0.4099$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.4377, 0.3215, 0.2596$, and the grayscale version is $20.5050, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7164, 0.3075, 0.3912$, and $8.5831, 0.2991, 0.4440$ is the 20% darker color. If you saturate the color by 10%, you get $22.2378, 0.3025, 0.4410$, and if you desaturate by 10%, it is $24.3487, 0.3074, 0.3811$.

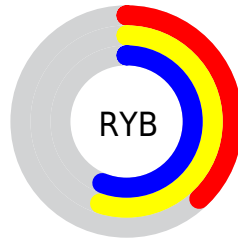
Distribution



Red (38%)

Green (56%)

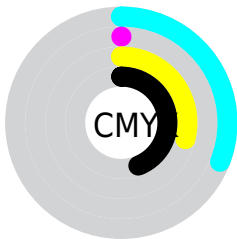
Blue (40%)



Red (38%)

Yellow (55%)

Blue (56%)

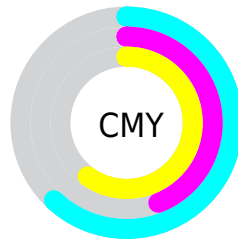


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (44%)



Cyan (62%)


Magenta (44%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2009, 0.3049, 0.4099 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 23.2009, 0.3049, 0.4099 by changing the saturation by 10% instead.


 23.2009, 0.3049,
0.4099


 23.2009, 0.3049,
0.4099

268.7552, 0.3103,
0.3629


 14.7419, 0.3028,
0.4245


 48.7230, 0.3073,
0.3909

 8.6385, 0.2994,
0.4454


 66.5549, 0.3081,
0.3844

 4.5061, 0.2934,
0.4778

 88.2799, 0.3087,
0.3791

 1.9605, 0.2833,
0.5382

 114.2824, 0.3091,
0.3747

 0.5844, 0.0000,
1.0000

144.9468, 0.3095,
0.3711

 0.0000, 0.0000,
0.0000

180.6574, 0.3098,

0.3679

221.7988, 0.3101,
0.3652

■ 23.2009, 0.3049,
0.4099

■ 23.2009, 0.3049,
0.4099

■ 22.2378, 0.3025,
0.4410

■ 24.3487, 0.3074,
0.3811

■ 21.4470, 0.3003,
0.4733

■ 25.6870, 0.3099,
0.3552

■ 20.8191, 0.2986,
0.5055


■ 27.2250, 0.3124,
0.3322


■ 20.3427, 0.2976,
0.5355

■ 28.9705, 0.3147,
0.3120

■ 20.0050, 0.2972,
0.5612


■ 30.9306, 0.3168,
0.2944

 19.7909, 0.2976,
0.5808

 33.1125, 0.3188,
0.2793

 19.6744, 0.2979,
0.5923

 35.5228, 0.3206,
0.2662

 38.1678, 0.3222,
0.2549

 41.0536, 0.3237,
0.2451

Harmonies

Analogous

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



23.2009, 0.3560, 0.4236



23.2009, 0.3049, 0.4099



23.2009, 0.2583, 0.3675

Triad

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



23.2009, 0.3049, 0.4099



23.2009, 0.2315, 0.2502



23.2009, 0.4053, 0.3318

Complementary

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



23.2009, 0.3049, 0.4099



16.4377, 0.3215, 0.2596

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.



23.2009, 0.3664, 0.2930



23.2009, 0.3049, 0.4099



23.2009, 0.2649, 0.2476

Square

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



23.2009, 0.3049, 0.4099



23.2009, 0.2186, 0.2729



23.2009, 0.3138, 0.2632



23.2009, 0.4165, 0.3727

Rectangle

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



23.2009, 0.3049, 0.4099



23.2009, 0.2356, 0.3322



23.2009, 0.3138, 0.2632



23.2009, 0.3949, 0.3183

Sweetspot

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



23.2019, 0.3049, 0.4099



46.5962, 0.3105, 0.3497



26.0384, 0.3542, 0.4060



10.6056, 0.3102, 0.3528



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.



23.2019, 0.3049, 0.4099



40.2525, 0.3031, 0.4325



23.7038, 0.2850, 0.3649



6.0367, 0.3105, 0.3496



17.3966, 0.2977, 0.5918



0.1676, 0.2876, 0.5553

Inverse Universe

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



16.4377, 0.3215, 0.2596



26.1021, 0.3239, 0.2437



15.8526, 0.3527, 0.2960



5.5028, 0.3150, 0.3092



6.5953, 0.3441, 0.1669



0.0646, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 23.2009, 0.3049, 0.4099 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 23.2009, 0.3049, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

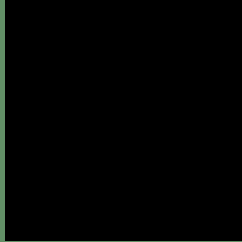
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2009, 0.3049, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 23.2009, 0.3049, 0.4099.



This preview shows how white text looks on a background with the Yxy color 23.2009, 0.3049, 0.4099.

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

23.2009, 0.3049, 0.4099

Protanopia

23.1164, 0.3636, 0.3897

Deuteranopia

23.0894, 0.3706, 0.3638



Tritanopia

23.1552, 0.2717, 0.3091

Trichromacy



Original Color

23.2009, 0.3049, 0.4099

Protanomaly

22.9448, 0.3401, 0.3970

Deuteranomaly

22.8633, 0.3443, 0.3791

Tritanomaly

23.0470, 0.2841, 0.3440

Monochromacy



Original Color

23.2009, 0.3049, 0.4099

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4317, 0.3091, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2009, 0.3049, 0.4099 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(98, 143, 102)` looks like.

```
.text, #text, p{  
    color:rgb(98, 143, 102)  
}
```

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(98, 143, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 143, 102) }
```

Border

The CSS property to change the border of an element to Yxy 23.2009, 0.3049, 0.4099 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(98, 143, 102) }
```

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

```
.border{ border-color:rgb(98, 143, 102) }
```

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

Here you see how a box with a 4 pixel rgb(98, 143, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 143, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 143, 102);  
box-shadow:4px 4px 4px 4px rgb(98, 143,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2009, 0.3049, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 143, 102) }
```

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

```
.background{ background-color: rgb(98, 143,  
102) }
```

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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