

Converting Colors

$Y_{xy}(24.3740, 0.3065, 0.4133)$

Have a look what the booklet for
Yxy(24.3740, 0.3065, 0.4133)
contains.

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Color

$\text{Yxy}(24.2464, 0.3059, 0.4124)$

Conversions

Conversions Part 1

Format	Color
Hex	649267
RGB	100, 146, 103
RGB Percent	39%, 57%, 40%
CMY	0.6077, 0.4275, 0.5961
CMYK	0.31, 0.00, 0.29, 0.43
HSL	124°, 19%, 48%
HSV	124°, 31%, 57%
XYZ	17.9849, 24.2464, 16.5621
YIQ	127.3440, -13.6130, -23.1250

Conversions

Conversions Part 2

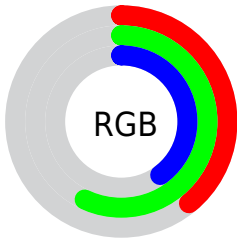
Format	Color
R_{YB}	100, 143, 146
Decimal	6591079
CIE _{Lab}	56.33, -24.73, 17.95
CIE _{LCh}	56, 30.560, 144.026
Y _{xy}	24.2464, 0.3059, 0.4124
Android (android.graphics.Color)	4284781159 (0xFF649267)
YUV	127.3440, -12.0016, -23.9807
Hunter-Lab	49.2406, -20.9749, 14.5262

Details

The Yxy color $24.2464, 0.3059, 0.4124$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.2156, 0.3200, 0.2578$, and the grayscale version is $21.3960, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.3170, 0.3082, 0.3932$, and $9.1737, 0.3006, 0.4468$ is the 20% darker color. If you saturate the color by 10%, you get $23.2356, 0.3037, 0.4444$, and if you desaturate by 10%, it is $25.4533, 0.3081, 0.3828$.

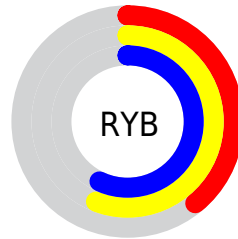
Distribution



Red (39%)

Green (57%)

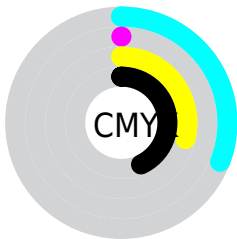
Blue (40%)



Red (39%)

Yellow (56%)

Blue (57%)

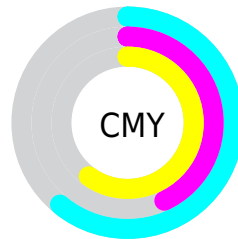


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (43%)



Cyan (61%)


Magenta (43%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2464, 0.3059, 0.4124 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 24.2464, 0.3059, 0.4124 by changing the saturation by 10% instead.


 24.2464, 0.3059,
0.4124


 24.2464, 0.3059,
0.4124


274.0638, 0.3107,
0.3642


 15.5165, 0.3039,
0.4272


 50.4320, 0.3081,
0.3930

 9.1827, 0.3008,
0.4483


 68.6565, 0.3088,
0.3863

 4.8605, 0.2951,
0.4806

 90.8146, 0.3093,
0.3809

 2.1657, 0.2846,
0.5381

 117.2908, 0.3097,
0.3764

 0.7012, 0.0821,
0.9179

148.4694, 0.3101,
0.3726

 0.0000, 0.0000,
0.0000

184.7349, 0.3103,

0.3694

226.4715, 0.3106,
0.3666

■ 24.2464, 0.3059,
0.4124

■ 24.2464, 0.3059,
0.4124

■ 23.2356, 0.3037,
0.4444

■ 25.4533, 0.3081,
0.3828

■ 22.4077, 0.3017,
0.4775

■ 26.8625, 0.3103,
0.3560

■ 21.7526, 0.3001,
0.5103

■ 28.4840, 0.3124,
0.3323


■ 21.2580, 0.2989,
0.5404

■ 30.3259, 0.3144,
0.3115

■ 20.9101, 0.2984,
0.5657


■ 32.3962, 0.3162,
0.2935


 20.6927, 0.2985,
0.5843

 34.7023, 0.3178,
0.2779

 20.5777, 0.2985,
0.5946

 37.2512, 0.3193,
0.2645

 40.0498, 0.3206,
0.2530

 43.1047, 0.3218,
0.2430

Harmonies

Analogous

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



24.2464, 0.3579, 0.4255



24.2464, 0.3059, 0.4124



24.2464, 0.2582, 0.3695

Triad

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



24.2464, 0.3059, 0.4124



24.2464, 0.2295, 0.2490



24.2464, 0.4066, 0.3307

Complementary

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



24.2464, 0.3059, 0.4124



17.2156, 0.3200, 0.2578

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.



24.2464, 0.3662, 0.2915



24.2464, 0.3059, 0.4124



24.2464, 0.2630, 0.2460

Square

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



24.2464, 0.3059, 0.4124



24.2464, 0.2168, 0.2725



24.2464, 0.3124, 0.2614



24.2464, 0.4187, 0.3724

Rectangle

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



24.2464, 0.3059, 0.4124



24.2464, 0.2349, 0.3335



24.2464, 0.3124, 0.2614



24.2464, 0.3957, 0.3170

Sweetspot

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



24.2474, 0.3059, 0.4124



48.0147, 0.3108, 0.3503



27.3801, 0.3560, 0.4057



10.6015, 0.3105, 0.3535



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.



24.2474, 0.3059, 0.4124



41.4433, 0.3043, 0.4355



24.7570, 0.2862, 0.3679



6.4741, 0.3108, 0.3503



18.1104, 0.2984, 0.5943



0.2229, 0.2908, 0.5670

Inverse Universe

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



17.2156, 0.3200, 0.2578



26.9657, 0.3220, 0.2416



16.6049, 0.3506, 0.2933



5.9028, 0.3147, 0.3086



6.9581, 0.3373, 0.1632



0.0867, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 24.2464, 0.3059, 0.4124 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 24.2464, 0.3059, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

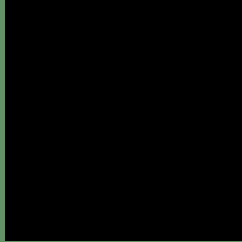
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2464, 0.3059, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 24.2464, 0.3059, 0.4124.



This preview shows how white text looks on a background with the Yxy color 24.2464, 0.3059, 0.4124.

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

24.2464, 0.3059, 0.4124

Protanopia

23.9518, 0.3652, 0.3904

Deuteranopia

23.9301, 0.3722, 0.3649



Tritanopia

24.2417, 0.2715, 0.3094

Trichromacy



Original Color

24.2464, 0.3059, 0.4124

Protanomaly

23.7642, 0.3420, 0.3976

Deuteranomaly

23.6028, 0.3450, 0.3802

Tritanomaly

24.1314, 0.2837, 0.3437

Monochromacy



Original Color

24.2464, 0.3059, 0.4124

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.1401, 0.3102, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2464, 0.3059, 0.4124 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(100, 146, 103)` looks like.

```
.text, #text, p{  
    color:rgb(100, 146, 103)  
}
```

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(100, 146, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 146, 103) }
```

Border

The CSS property to change the border of an element to Yxy 24.2464, 0.3059, 0.4124 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(100, 146, 103) }
```

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

```
.border{ border-color:rgb(100, 146, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 146, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 146, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 146, 103);  
box-shadow:4px 4px 4px 4px rgb(100, 146,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2464, 0.3059, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 146, 103) }
```

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

```
.background{ background-color: rgb(100,  
146, 103) }
```

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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