

Converting Colors

$Y_{xy}(40.6223, 0.3565, 0.4574)$

Have a look what the booklet for
Yxy(40.6223, 0.3565, 0.4574)
contains.

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Color

Yxy(40.6104, 0.3564, 0.4575)

Conversions

Conversions Part 1

Format	Color
Hex	99B55D
RGB	153, 181, 93
RGB Percent	60%, 71%, 36%
CMY	0.4000, 0.2902, 0.6354
CMYK	0.15, 0.00, 0.49, 0.29
HSL	79°, 37%, 54%
HSV	79°, 49%, 71%
XYZ	31.6362, 40.6104, 16.5193
YIQ	162.5960, 11.5600, -33.3040

Conversions

Conversions Part 2

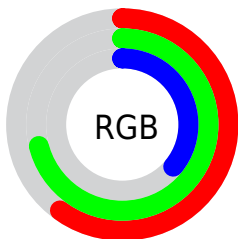
Format	Color
RYB	93, 181, 121
Decimal	10073437
CIELab	69.90, -23.76, 41.44
CIElCh	70, 47.764, 119.825
Yxy	40.6104, 0.3564, 0.4575
Android (android.graphics.Color)	4288263517 (0xFF99B55D)
YUV	162.5960, -34.3108, -8.4157
Hunter-Lab	63.7263, -22.9068, 29.2391

Details

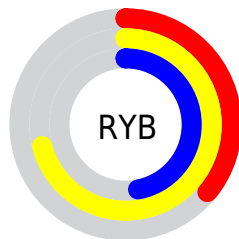
The Yxy color $40.6104, 0.3564, 0.4575$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $15.2222, 0.2487, 0.1880$, and the grayscale version is $36.5860, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.1680, 0.3503, 0.4325$, and $18.3221, 0.3639, 0.4972$ is the 20% darker color. If you saturate the color by 10%, you get $39.7819, 0.3625, 0.4829$, and if you desaturate by 10%, it is $41.5455, 0.3487, 0.4305$.

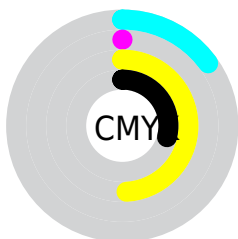
Distribution



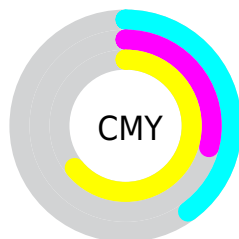
- Red (60%)
- Green (71%)
- Blue (36%)



- Red (36%)
- Yellow (71%)
- Blue (47%)



- Cyan (15%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)





- Cyan (40%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6104, 0.3564, 0.4575 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 40.6104, 0.3564, 0.4575 by changing the saturation by 10% instead.


 40.6104, 0.3564,
0.4575


 40.6104, 0.3564,
0.4575


348.6896, 0.3369,
0.3899

 28.0148, 0.3600,
0.4749


 76.0921, 0.3501,
0.4324


 18.3368, 0.3638,
0.4974


 99.7470, 0.3475,
0.4231

 11.1921, 0.3668,
0.5269


 127.8571, 0.3451,
0.4153

 6.1962, 0.3676,
0.5676

 160.8068, 0.3431,
0.4087

 2.9647, 0.3657,
0.6343

198.9805, 0.3413,
0.4030

 1.1133, 0.2933,
0.7067

242.7626, 0.3396,

 0.0000, 0.0000,

0.3981

0.0000

292.5376, 0.3382,
0.3937

■ 40.6104, 0.3564,
0.4575

■ 40.6104, 0.3564,
0.4575

■ 39.7819, 0.3625,
0.4829

■ 41.5455, 0.3487,
0.4305

■ 39.0487, 0.3666,
0.5054

■ 42.5869, 0.3399,
0.4031

■ 38.4060, 0.3684,
0.5241


■ 43.7415, 0.3305,
0.3760

■ 37.8463, 0.3676,
0.5381

■ 45.0136, 0.3209,
0.3501

■ 37.3567, 0.3648,
0.5477


■ 46.4075, 0.3114,
0.3258

 37.2929, 0.3644,
0.5489

 47.9273, 0.3022,
0.3033

 49.5768, 0.2935,
0.2827

 51.3594, 0.2852,
0.2640

 53.2225, 0.2781,
0.2479

Harmonies

Analogous

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



40.6104, 0.4155, 0.4366



40.6104, 0.3564, 0.4575



40.6104, 0.2889, 0.4334

Triad

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



40.6104, 0.3564, 0.4575



40.6104, 0.1917, 0.2467



40.6104, 0.3953, 0.2890

Complementary

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



40.6104, 0.3564, 0.4575



15.2222, 0.2487, 0.1880

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.



40.6104, 0.3252, 0.2491



40.6104, 0.3564, 0.4575



40.6104, 0.2125, 0.2238

Square

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



40.6104, 0.3564, 0.4575



40.6104, 0.1977, 0.2970



40.6104, 0.2587, 0.2259



40.6104, 0.4428, 0.3389

Rectangle

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



40.6104, 0.3564, 0.4575



40.6104, 0.2484, 0.3928



40.6104, 0.2587, 0.2259



40.6104, 0.3731, 0.2743

Sweetspot

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



40.6122, 0.3564, 0.4575



79.0834, 0.3273, 0.3671



24.2516, 0.4241, 0.3693



16.9932, 0.3293, 0.3726



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6122, 0.3564, 0.4575



71.1984, 0.3627, 0.4837



37.0975, 0.3177, 0.4749



9.7685, 0.3216, 0.3518



25.7459, 0.3650, 0.5483



0.8396, 0.3808, 0.5359

Inverse Universe

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



15.2222, 0.2487, 0.1880



20.5440, 0.2315, 0.1560



19.1445, 0.2988, 0.2062



8.3570, 0.3033, 0.3058



2.9445, 0.1738, 0.0731



0.1247, 0.2070, 0.0914

Previews

White Background



This preview shows how the Yxy color 40.6104, 0.3564, 0.4575 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 40.6104, 0.3564, 0.4575 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 ✓ Pass

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

Yxy 40.6104, 0.3564, 0.4575

Background



This preview shows how black text looks on a background with the Yxy color 40.6104, 0.3564, 0.4575.



This preview shows how white text looks on a background with the Yxy color 40.6104, 0.3564, 0.4575.

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

40.6104, 0.3564, 0.4575

Protanopia

40.5385, 0.3991, 0.4361

Deuteranopia

40.4673, 0.4182, 0.4101



Tritanopia

40.5858, 0.2969, 0.3111

Trichromacy



Original Color

40.6104, 0.3564, 0.4575

Protanomaly

40.5121, 0.3829, 0.4451

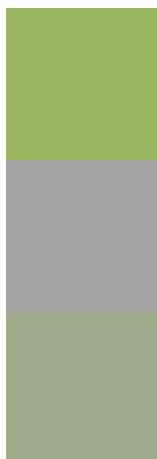
Deuteranomaly

40.2853, 0.3944, 0.4268

Tritanomaly

40.4714, 0.3200, 0.3636

Monochromacy



Original Color

40.6104, 0.3564, 0.4575

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9554, 0.3299, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6104, 0.3564, 0.4575 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(153, 181, 93)` looks like.

```
.text, #text, p{  
    color:rgb(153, 181, 93)  
}
```

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(153, 181, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 181, 93) }
```

Border

The CSS property to change the border of an element to Yxy 40.6104, 0.3564, 0.4575 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(153, 181, 93) }
```

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

```
.border{ border-color:rgb(153, 181, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 181, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 181, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 181, 93);  
box-shadow:4px 4px 4px 4px rgb(153, 181,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6104, 0.3564, 0.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 181, 93) }
```

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

```
.background{ background-color: rgb(153,  
181, 93) }
```

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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