

Converting Colors

Yxy(40.7699, 0.3199, 0.4226)

Have a look what the booklet for
Yxy(40.7699, 0.3199, 0.4226)
contains.

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Color

Yxy(40.6154, 0.3198, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	89B77B
RGB	137, 183, 123
RGB Percent	54%, 72%, 48%
CMY	0.4626, 0.2824, 0.5176
CMYK	0.25, 0.00, 0.33, 0.28
HSL	106°, 29%, 60%
HSV	106°, 33%, 72%
XYZ	30.8303, 40.6154, 24.9592
YIQ	162.4060, -8.1560, -28.4120

Conversions

Conversions Part 2

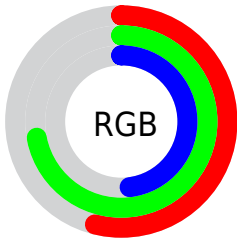
Format	Color
RYB	123, 183, 169
Decimal	9025403
CIELab	69.91, -26.74, 25.71
CIELCh	70, 37.095, 136.121
Yxy	40.6154, 0.3198, 0.4213
Android (android.graphics.Color)	4287215483 (0xFF89B77B)
YUV	162.4060, -19.4272, -22.2811
Hunter-Lab	63.7302, -25.1762, 21.3909

Details

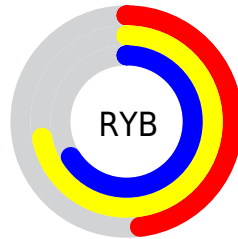
The Yxy color **40.6154, 0.3198, 0.4213** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.0222, 0.3014, 0.2452**, and the grayscale version is **36.4321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9440, 0.3190, 0.4025**, and **18.3776, 0.3195, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **39.0913, 0.3210, 0.4540**, and if you desaturate by 10%, it is **42.3827, 0.3180, 0.3902**.

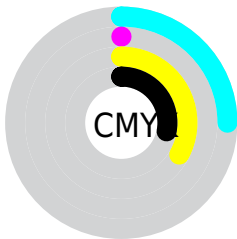
Distribution



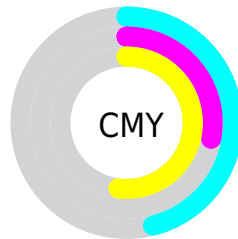
- Red (54%)
- Green (72%)
- Blue (48%)



- Red (48%)
- Yellow (72%)
- Blue (66%)



- Cyan (25%)
- Magenta (0%)
- Yellow (33%)
- Black (28%)





- Cyan (46%)
- Magenta (28%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6154, 0.3198, 0.4213 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 40.6154, 0.3198, 0.4213 by changing the saturation by 10% instead.

 40.6154, 0.3198,
0.4213


 40.6154, 0.3198,
0.4213


348.7106, 0.3175,
0.3720

 28.0187, 0.3199,
0.4346


 76.0997, 0.3193,
0.4026

 18.3397, 0.3196,
0.4523


 99.7561, 0.3190,
0.3959

 11.1942, 0.3185,
0.4768


 127.8678, 0.3187,
0.3902

 6.1976, 0.3153,
0.5128

160.8193, 0.3184,
0.3854

 2.9656, 0.3090,
0.5744

198.9950, 0.3182,
0.3814

 1.1138, 0.2591,
0.7409

242.7791, 0.3179,

 0.0000, 0.0000,

0.3778

0.0000

292.5562, 0.3177,
0.3747

■ 40.6154, 0.3198,
0.4213

■ 40.6154, 0.3198,
0.4213

■ 39.0913, 0.3210,
0.4540

■ 42.3827, 0.3180,
0.3902

■ 37.7945, 0.3213,
0.4870

■ 44.3980, 0.3158,
0.3616

■ 36.7152, 0.3206,
0.5187


■ 46.6725, 0.3134,
0.3357

■ 35.8408, 0.3187,
0.5468

■ 49.2149, 0.3109,
0.3126


■ 35.1574, 0.3158,
0.5694

■ 52.0338, 0.3084,
0.2922

 34.6490, 0.3119,
0.5851

 55.1374, 0.3059,
0.2743

 34.3738, 0.3090,
0.5928

 58.5333, 0.3036,
0.2587

 61.2654, 0.3116,
0.2575

 62.3452, 0.3160,
0.2585

Harmonies

Analogous

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



40.6154, 0.3716, 0.4255



40.6154, 0.3198, 0.4213



40.6154, 0.2686, 0.3841

Triad

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



40.6154, 0.3198, 0.4213



40.6154, 0.2223, 0.2515



40.6154, 0.4001, 0.3196

Complementary

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



40.6154, 0.3198, 0.4213



26.0222, 0.3014, 0.2452

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.



40.6154, 0.3534, 0.2815



40.6154, 0.3198, 0.4213



40.6154, 0.2510, 0.2432

Square

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



40.6154, 0.3198, 0.4213



40.6154, 0.2153, 0.2811



40.6154, 0.2980, 0.2543



40.6154, 0.4209, 0.3621

Rectangle

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



40.6154, 0.3198, 0.4213



40.6154, 0.2416, 0.3482



40.6154, 0.2980, 0.2543



40.6154, 0.3867, 0.3060

Sweetspot

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



40.6171, 0.3198, 0.4213



80.5380, 0.3152, 0.3546



39.5032, 0.3673, 0.3910



17.6668, 0.3155, 0.3583



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.6171, 0.3198, 0.4213



70.8260, 0.3207, 0.4436



39.9130, 0.2975, 0.4000



10.1587, 0.3150, 0.3524



24.0076, 0.3097, 0.5923



0.8752, 0.3288, 0.5772

Inverse Universe

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



26.0222, 0.3014, 0.2452



40.7990, 0.2982, 0.2271



27.0647, 0.3327, 0.2673



9.0541, 0.3101, 0.3062



6.3211, 0.2631, 0.1223



0.2490, 0.2788, 0.1310

Previews

White Background



This preview shows how the Yxy color 40.6154, 0.3198, 0.4213 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 40.6154, 0.3198, 0.4213 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 40.6154, 0.3198, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 40.6154, 0.3198, 0.4213.



This preview shows how white text looks on a background with the Yxy color 40.6154, 0.3198, 0.4213.

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

40.6154, 0.3198, 0.4213

Protanopia

40.2478, 0.3719, 0.4001

Deuteranopia

40.1442, 0.3839, 0.3758



Tritanopia

40.6300, 0.2795, 0.3092

Trichromacy



Original Color

40.6154, 0.3198, 0.4213

Protanomaly

40.2315, 0.3515, 0.4080

Deuteranomaly

39.7208, 0.3589, 0.3906

Tritanomaly

40.4867, 0.2942, 0.3481

Monochromacy



Original Color

40.6154, 0.3198, 0.4213

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6599, 0.3157, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6154, 0.3198, 0.4213 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(137, 183, 123)` looks like.

```
.text, #text, p{  
    color:rgb(137, 183, 123)  
}
```

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(137, 183, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 183, 123) }
```

Border

The CSS property to change the border of an element to Yxy 40.6154, 0.3198, 0.4213 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(137, 183, 123) }
```

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

```
.border{ border-color:rgb(137, 183, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 183, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 183, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 183, 123);  
box-shadow:4px 4px 4px 4px rgb(137, 183,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6154, 0.3198, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 183, 123) }
```

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

```
.background{ background-color: rgb(137,  
183, 123) }
```

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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