

Converting Colors

$Yxy(40.5843, 0.3451, 0.4206)$

Have a look what the booklet for
Yxy(40.5843, 0.3451, 0.4206)
contains.

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Color

Yxy(40.7703, 0.3448, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	9EB374
RGB	158, 179, 116
RGB Percent	62%, 70%, 45%
CMY	0.3806, 0.2980, 0.5451
CMYK	0.12, 0.00, 0.35, 0.30
HSL	80°, 29%, 58%
HSV	80°, 35%, 70%
XYZ	33.3672, 40.7703, 22.6351
YIQ	165.5390, 7.7070, -24.0450

Conversions

Conversions Part 2

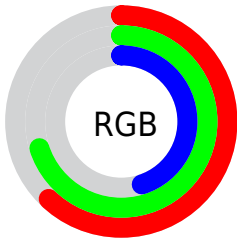
Format	Color
RYB	116, 179, 137
Decimal	10400628
CIELab	70.01, -18.03, 29.82
CIELCh	70, 34.851, 121.159
Yxy	40.7703, 0.3448, 0.4213
Android (android.graphics.Color)	4288590708 (0xFF9EB374)
YUV	165.5390, -24.4227, -6.6117
Hunter-Lab	63.8516, -18.4609, 23.6781

Details

The Yxy color **40.7703, 0.3448, 0.4213** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.0711, 0.2709, 0.2310**, and the grayscale version is **38.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4274, 0.3391, 0.4030**, and **18.3911, 0.3524, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **39.8030, 0.3526, 0.4488**, and if you desaturate by 10%, it is **41.8510, 0.3361, 0.3938**.

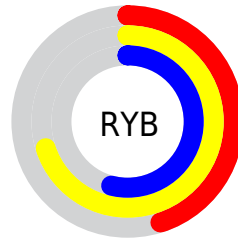
Distribution



Red (62%)

Green (70%)

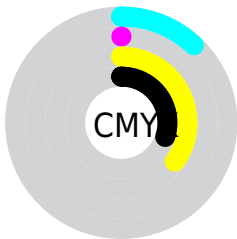
Blue (45%)



Red (45%)

Yellow (70%)

Blue (54%)

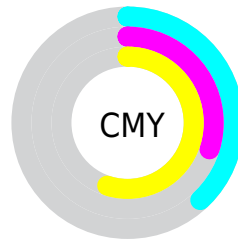


Cyan (12%)

Magenta (0%)

Yellow (35%)

Black (30%)



Cyan (38%)


Magenta (30%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7703, 0.3448, 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 40.7703, 0.3448, 0.4213 by changing the saturation by 10% instead.


 40.7703, 0.3448,
0.4213


 40.7703, 0.3448,
0.4213


349.3597, 0.3296,
0.3728


 28.1396, 0.3481,
0.4341


 76.3351, 0.3396,
0.4032

 18.4310, 0.3520,
0.4507


 100.0380, 0.3375,
0.3965

 11.2598, 0.3564,
0.4734


 128.2005, 0.3358,
0.3909

 6.2419, 0.3609,
0.5054

161.2068, 0.3342,
0.3862

 2.9927, 0.3717,
0.5664

199.4416, 0.3329,
0.3821

 1.1279, 0.3523,
0.6477

243.2890, 0.3317,

 0.0016, 0.0000,

0.3786

1.0000

293.1336, 0.3306,
0.3755

0.0000, 0.0000,
0.0000

40.7703, 0.3448,
0.4213

40.7703, 0.3448,
0.4213

39.8030, 0.3526,
0.4488

41.8510, 0.3361,
0.3938

38.9387, 0.3591,
0.4751

43.0443, 0.3268,
0.3670

38.1737, 0.3637,
0.4990


44.3565, 0.3175,
0.3416


37.5017, 0.3660,
0.5195


45.7916, 0.3083,
0.3178

36.9158, 0.3659,
0.5355


47.3536, 0.2995,
0.2960


 36.4073, 0.3634,
0.5466

 49.0460, 0.2911,
0.2762

 36.1816, 0.3618,
0.5510

 50.8725, 0.2833,
0.2582

 52.5617, 0.2787,
0.2459

 53.4333, 0.2831,
0.2469

Harmonies

Analogous

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



40.7703, 0.3885, 0.4111



40.7703, 0.3448, 0.4213



40.7703, 0.2946, 0.4011

Triad

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



40.7703, 0.3448, 0.4213



40.7703, 0.2213, 0.2677



40.7703, 0.3751, 0.3014

Complementary

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



40.7703, 0.3448, 0.4213



21.0711, 0.2709, 0.2310

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.



40.7703, 0.3250, 0.2697



40.7703, 0.3448, 0.4213



40.7703, 0.2386, 0.2496

Square

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



40.7703, 0.3448, 0.4213



40.7703, 0.2256, 0.3053



40.7703, 0.2752, 0.2511



40.7703, 0.4082, 0.3405

Rectangle

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



40.7703, 0.3448, 0.4213



40.7703, 0.2643, 0.3725



40.7703, 0.2752, 0.2511



40.7703, 0.3594, 0.2897

Sweetspot

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



40.7721, 0.3448, 0.4213



77.9938, 0.3231, 0.3566



28.7404, 0.3842, 0.3598



17.2111, 0.3243, 0.3600



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.



40.7721, 0.3448, 0.4213



71.6871, 0.3508, 0.4420



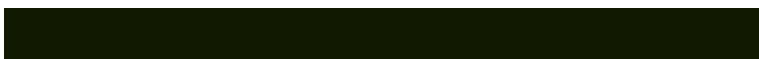
37.9815, 0.3165, 0.4300



9.7616, 0.3214, 0.3518



25.5997, 0.3624, 0.5504



0.8358, 0.3788, 0.5374

Inverse Universe

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



21.0711, 0.2709, 0.2310



31.2752, 0.2596, 0.2074



24.1287, 0.3050, 0.2402



8.3635, 0.3035, 0.3058



3.0071, 0.1760, 0.0743



0.1274, 0.2095, 0.0928

Previews

White Background



This preview shows how the Yxy color 40.7703, 0.3448, 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 40.7703, 0.3448, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

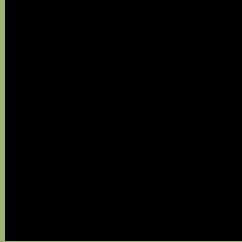
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7703, 0.3448, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 40.7703, 0.3448, 0.4213.



This preview shows how white text looks on a background with the Yxy color 40.7703, 0.3448, 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

40.7703, 0.3448, 0.4213

Protanopia

40.6324, 0.3768, 0.4077

Deuteranopia

40.7202, 0.3940, 0.3865



Tritanopia

40.8020, 0.2986, 0.3112

Trichromacy



Original Color

40.7703, 0.3448, 0.4213

Protanomaly

40.6010, 0.3647, 0.4129

Deuteranomaly

40.2487, 0.3754, 0.3981

Tritanomaly

40.6678, 0.3162, 0.3503

Monochromacy



Original Color

40.7703, 0.3448, 0.4213

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0505, 0.3249, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7703, 0.3448, 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(158, 179, 116)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 116)  
}
```

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(158, 179, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 116) }
```

Border

The CSS property to change the border of an element to Yxy 40.7703, 0.3448, 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(158, 179, 116) }
```

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

```
.border{ border-color:rgb(158, 179, 116) }
```

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

Here you see how a box with a 4 pixel rgb(158, 179, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 116);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7703, 0.3448, 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(158, 179, 116) }
```

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

```
.background{ background-color: rgb(158,  
179, 116) }
```

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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