

Converting Colors

$Yxy(38.7577, 0.3165, 0.4239)$

Have a look what the booklet for
Yxy(38.7577, 0.3165, 0.4239)
contains.

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Color

Yxy(38.7444, 0.3164, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	82B478
RGB	130, 180, 120
RGB Percent	51%, 71%, 47%
CMY	0.4904, 0.2941, 0.5294
CMYK	0.28, 0.00, 0.33, 0.29
HSL	110°, 29%, 59%
HSV	110°, 33%, 71%
XYZ	28.9121, 38.7444, 23.7218
YIQ	158.2100, -10.5400, -29.2600

Conversions

Conversions Part 2

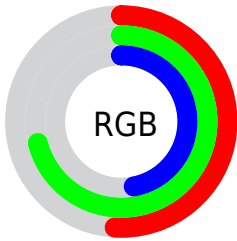
Format	Color
RYB	120, 180, 170
Decimal	8565880
CIELab	68.57, -28.24, 25.46
CIElCh	69, 38.022, 137.966
Yxy	38.7444, 0.3164, 0.4240
Android (android.graphics.Color)	4286755960 (0xFF82B478)
YUV	158.2100, -18.8375, -24.7402
Hunter-Lab	62.2450, -26.0175, 20.9759

Details

The Yxy color **38.7444, 0.3164, 0.4240** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.2793, 0.3056, 0.2449**, and the grayscale version is **34.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1984, 0.3163, 0.4041**, and **17.2959, 0.3152, 0.4562** is the 20% darker color. If you saturate the color by 10%, you get **37.2479, 0.3166, 0.4574**, and if you desaturate by 10%, it is **40.4996, 0.3156, 0.3923**.

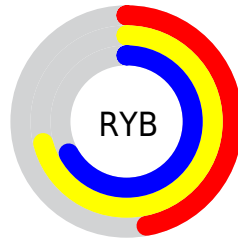
Distribution



Red (51%)

Green (71%)

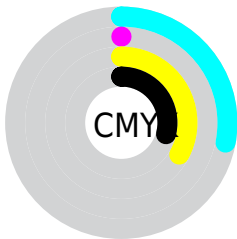
Blue (47%)



Red (47%)

Yellow (71%)

Blue (67%)

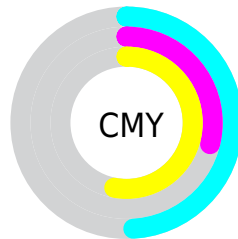


Cyan (28%)

Magenta (0%)

Yellow (33%)

Black (29%)



Cyan (49%)


Magenta (29%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7444, 0.3164, 0.4240 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 38.7444, 0.3164, 0.4240 by changing the saturation by 10% instead.


 38.7444, 0.3164,
0.4240


 38.7444, 0.3164,
0.4240


340.8026, 0.3159,
0.3728


 26.5609, 0.3160,
0.4380


 73.2477, 0.3166,
0.4045

 17.2438, 0.3150,
0.4568


 96.3363, 0.3166,
0.3974

 10.4084, 0.3128,
0.4831


 123.8288, 0.3165,
0.3916

 5.6706, 0.3080,
0.5221

156.1095, 0.3164,
0.3866

 2.6458, 0.3013,
0.5956

193.5628, 0.3162,
0.3824

 0.9498, 0.1824,
0.8176

236.5732, 0.3161,

 0.0000, 0.0000,


0.3787


0.0000


285.5250, 0.3160,
0.3756


 38.7444, 0.3164,
0.4240


 38.7444, 0.3164,
0.4240

 37.2479, 0.3166,
0.4574


 40.4996, 0.3156,
0.3923


 35.9930, 0.3162,
0.4912


 42.5198, 0.3145,
0.3632


 34.9683, 0.3150,
0.5234

 44.8172, 0.3132,
0.3371

 34.1595, 0.3130,
0.5518


 47.4019, 0.3117,
0.3139

 33.5505, 0.3103,
0.5742


 50.2834, 0.3102,
0.2935


 33.1228, 0.3070,
0.5892

 53.4707, 0.3087,
0.2758

 32.9219, 0.3051,
0.5959

 56.9725, 0.3072,
0.2603

 60.2034, 0.3123,
0.2547

 61.1276, 0.3162,
0.2556

Harmonies

Analogous

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



38.7444, 0.3707, 0.4302



38.7444, 0.3164, 0.4240



38.7444, 0.2638, 0.3833

Triad

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



38.7444, 0.3164, 0.4240



38.7444, 0.2201, 0.2474



38.7444, 0.4060, 0.3216

Complementary

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



38.7444, 0.3164, 0.4240



25.2793, 0.3056, 0.2449

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.



38.7444, 0.3585, 0.2818



38.7444, 0.3164, 0.4240



38.7444, 0.2511, 0.2403

Square

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



38.7444, 0.3164, 0.4240



38.7444, 0.2115, 0.2765



38.7444, 0.3007, 0.2529



38.7444, 0.4256, 0.3657

Rectangle

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



38.7444, 0.3164, 0.4240



38.7444, 0.2366, 0.3452



38.7444, 0.3007, 0.2529



38.7444, 0.3926, 0.3075

Sweetspot

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



38.7461, 0.3164, 0.4240



78.3503, 0.3141, 0.3546



39.8139, 0.3662, 0.3984



16.8137, 0.3143, 0.3583



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.



38.7461, 0.3164, 0.4240



68.2053, 0.3166, 0.4484



38.5339, 0.2937, 0.3929



9.5556, 0.3140, 0.3523



22.9942, 0.3057, 0.5955



0.7441, 0.3220, 0.5825

Inverse Universe

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



25.2793, 0.3056, 0.2449



40.0179, 0.3033, 0.2263



25.6749, 0.3389, 0.2729



8.5739, 0.3112, 0.3064



6.8585, 0.2799, 0.1315



0.2347, 0.2920, 0.1382

Previews

White Background



This preview shows how the Yxy color 38.7444, 0.3164, 0.4240 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 38.7444, 0.3164, 0.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

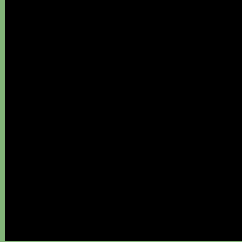
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7444, 0.3164, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 38.7444, 0.3164, 0.4240.



This preview shows how white text looks on a background with the Yxy color 38.7444, 0.3164, 0.4240.

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

38.7444, 0.3164, 0.4240

Protanopia

38.5556, 0.3728, 0.4028

Deuteranopia

38.4672, 0.3842, 0.3767



Tritanopia

38.7129, 0.2759, 0.3087

Trichromacy



Original Color

38.7444, 0.3164, 0.4240

Protanomaly

38.4474, 0.3510, 0.4113

Deuteranomaly

37.9517, 0.3577, 0.3920

Tritanomaly

38.5869, 0.2906, 0.3486

Monochromacy



Original Color

38.7444, 0.3164, 0.4240

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.5820, 0.3148, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7444, 0.3164, 0.4240 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(130, 180, 120)` looks like.

```
.text, #text, p{  
    color:rgb(130, 180, 120)  
}
```

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(130, 180, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 180, 120) }
```

Border

The CSS property to change the border of an element to Yxy 38.7444, 0.3164, 0.4240 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(130, 180, 120) }
```

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

```
.border{ border-color:rgb(130, 180, 120) }
```

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

Here you see how a box with a 4 pixel rgb(130, 180, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 180, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 180, 120);  
box-shadow:4px 4px 4px 4px rgb(130, 180,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7444, 0.3164, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 180, 120) }
```

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

```
.background{ background-color: rgb(130,  
180, 120) }
```

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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