

Converting Colors

$Yxy(42.3861, 0.3214, 0.4474)$

Have a look what the booklet for
Yxy(42.3861, 0.3214, 0.4474)
contains.

Yxy(42.3903, 0.3216, 0.4473)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3903, 0.3216, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	83BD70
RGB	131, 189, 112
RGB Percent	51%, 74%, 44%
CMY	0.4864, 0.2588, 0.5608
CMYK	0.31, 0.00, 0.41, 0.26
HSL	105°, 37%, 59%
HSV	105°, 41%, 74%
XYZ	30.4778, 42.3903, 21.9012
YIQ	162.8800, -9.8510, -36.2430

Conversions

Conversions Part 2

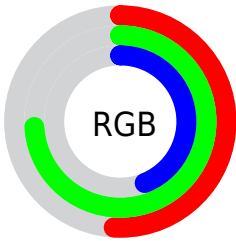
Format	Color
RYB	112, 189, 170
Decimal	8633712
CIELab	71.14, -33.37, 33.06
CIELCh	71, 46.971, 135.270
Yxy	42.3903, 0.3216, 0.4473
Android (android.graphics.Color)	4286823792 (0xFF83BD70)
YUV	162.8800, -25.0838, -27.9588
Hunter-Lab	65.1078, -30.3806, 25.6313

Details

The Yxy color **42.3903, 0.3216, 0.4473** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.8103, 0.2965, 0.2237**, and the grayscale version is **36.6875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0673, 0.3213, 0.4234**, and **19.3065, 0.3194, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **40.9545, 0.3223, 0.4803**, and if you desaturate by 10%, it is **44.0745, 0.3201, 0.4149**.

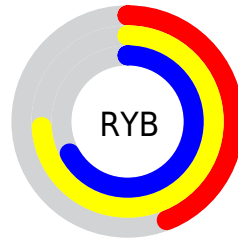
Distribution



Red (51%)

Green (74%)

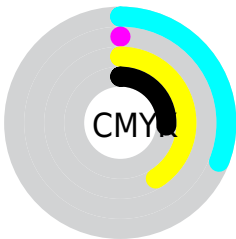
Blue (44%)



Red (44%)

Yellow (74%)

Blue (67%)

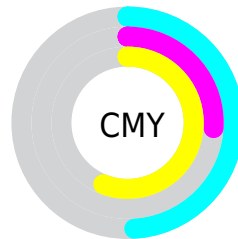


Cyan (31%)

Magenta (0%)

Yellow (41%)

Black (26%)



Cyan (49%)


Magenta (26%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3903, 0.3216, 0.4473 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 42.3903, 0.3216, 0.4473 by changing the saturation by 10% instead.


 42.3903, 0.3216,
0.4473

 42.3903, 0.3216,
0.4473


356.0983, 0.3193,
0.3841

 29.4070, 0.3213,
0.4642


 78.7900, 0.3214,
0.4234

 19.3889, 0.3202,
0.4866

 102.9752, 0.3211,
0.4147

 11.9517, 0.3176,
0.5172


 131.6632, 0.3208,
0.4075

 6.7108, 0.3113,
0.5611

 165.2383, 0.3205,
0.4014

 3.2819, 0.3054,
0.6478

204.0850, 0.3201,
0.3961

 1.2806, 0.2182,
0.7818

248.5876, 0.3198,

 0.1261, 0.0000,

0.3916

1.0000

299.1306, 0.3196,
0.3876

■ 0.0000, 0.0000,
0.0000

■ 42.3903, 0.3216,
0.4473

■ 42.3903, 0.3216,
0.4473

■ 40.9545, 0.3223,
0.4803

■ 44.0745, 0.3201,
0.4149

■ 39.7496, 0.3219,
0.5123

■ 46.0127, 0.3180,
0.3843

■ 38.7646, 0.3203,
0.5412


■ 48.2170, 0.3156,
0.3562


■ 37.9851, 0.3175,
0.5649

■ 50.6973, 0.3129,
0.3308

■ 37.3947, 0.3136,
0.5820


■ 53.4628, 0.3102,
0.3082

 36.9941, 0.3098,
0.5922

 56.5223, 0.3075,
0.2883

 59.8844, 0.3049,
0.2708

 63.0177, 0.3081,
0.2628

 64.8799, 0.3157,
0.2644

Harmonies

Analogous

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



42.3903, 0.3854, 0.4483



42.3903, 0.3216, 0.4473



42.3903, 0.2588, 0.4008

Triad

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



42.3903, 0.3216, 0.4473



42.3903, 0.2021, 0.2343



42.3903, 0.4208, 0.3146

Complementary

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



42.3903, 0.3216, 0.4473



23.8103, 0.2965, 0.2237

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.



42.3903, 0.3610, 0.2697



42.3903, 0.3216, 0.4473



42.3903, 0.2355, 0.2248

Square

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



42.3903, 0.3216, 0.4473



42.3903, 0.1944, 0.2697



42.3903, 0.2918, 0.2379



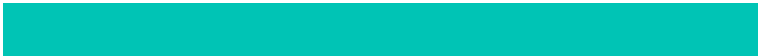
42.3903, 0.4473, 0.3654

Rectangle

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



42.3903, 0.3216, 0.4473



42.3903, 0.2259, 0.3542



42.3903, 0.2918, 0.2379



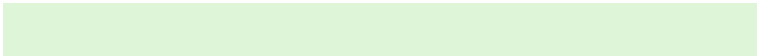
42.3903, 0.4035, 0.2986

Sweetspot

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



42.3921, 0.3216, 0.4473



85.7463, 0.3159, 0.3601



40.6476, 0.3822, 0.4063



18.3250, 0.3163, 0.3636



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.3921, 0.3216, 0.4473



73.5703, 0.3222, 0.4771



41.4892, 0.2943, 0.4211



10.7601, 0.3152, 0.3524



24.9183, 0.3105, 0.5916



1.0079, 0.3287, 0.5772

Inverse Universe

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



23.8103, 0.2965, 0.2237



35.6933, 0.2915, 0.2006



25.2992, 0.3391, 0.2522



9.5747, 0.3099, 0.3061



6.4043, 0.2600, 0.1206



0.2797, 0.2753, 0.1290

Previews

White Background



This preview shows how the Yxy color 42.3903, 0.3216, 0.4473 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 42.3903, 0.3216, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

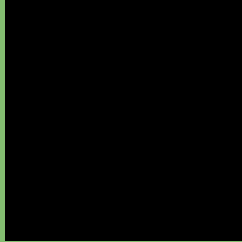
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3903, 0.3216, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 42.3903, 0.3216, 0.4473.



This preview shows how white text looks on a background with the Yxy color 42.3903, 0.3216, 0.4473.

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

42.3903, 0.3216, 0.4473

Protanopia

41.7466, 0.3855, 0.4177

Deuteranopia

41.9667, 0.3987, 0.3904



Tritanopia

42.1550, 0.2742, 0.3080

Trichromacy



Original Color

42.3903, 0.3216, 0.4473

Protanomaly

41.6477, 0.3605, 0.4293

Deuteranomaly

41.2132, 0.3687, 0.4101

Tritanomaly

42.1228, 0.2919, 0.3569

Monochromacy



Original Color

42.3903, 0.3216, 0.4473

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0980, 0.3170, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3903, 0.3216, 0.4473 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(131, 189, 112)` looks like.

```
.text, #text, p{  
    color:rgb(131, 189, 112)  
}
```

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(131, 189, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 189, 112) }
```

Border

The CSS property to change the border of an element to Yxy 42.3903, 0.3216, 0.4473 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(131, 189, 112) }
```

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

```
.border{ border-color:rgb(131, 189, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 189, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 189, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 189, 112);  
box-shadow:4px 4px 4px 4px rgb(131, 189,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3903, 0.3216, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 189, 112) }
```

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

```
.background{ background-color: rgb(131,  
189, 112) }
```

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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