

Converting Colors

$Y_{xy}(40.8811, 0.3720, 0.5282)$

Have a look what the booklet for
Yxy(40.8811, 0.3720, 0.5282)
contains.

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Color

Yxy(40.8848, 0.3720, 0.5280)

Conversions

Conversions Part 1

Format	Color
Hex	8DBA20
RGB	141, 186, 32
RGB Percent	55%, 73%, 13%
CMY	0.4470, 0.2706, 0.8743
CMYK	0.24, 0.00, 0.83, 0.27
HSL	78°, 71%, 43%
HSV	78°, 83%, 73%
XYZ	28.8052, 40.8848, 7.7433
YIQ	154.9890, 22.6140, -57.4340

Conversions

Conversions Part 2

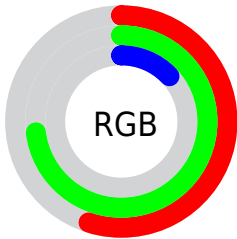
Format	Color
RYB	32, 186, 77
Decimal	9288224
CIELab	70.10, -35.25, 65.58
CIELCh	70, 74.451, 118.258
Yxy	40.8848, 0.3720, 0.5280
Android (android.graphics.Color)	4287478304 (0xFF8DBA20)
YUV	154.9890, -60.6336, -12.2684
Hunter-Lab	63.9412, -31.4838, 37.5788

Details

The Yxy color **40.8848, 0.3720, 0.5280** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **6.1615, 0.1897, 0.0939**, and the grayscale version is **33.0433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2827, 0.3673, 0.4918**, and **18.7064, 0.3589, 0.5533** is the 20% darker color. If you saturate the color by 10%, you get **40.3473, 0.3706, 0.5395**, and if you desaturate by 10%, it is **41.5064, 0.3709, 0.5117**.

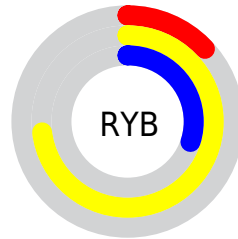
Distribution



Red (55%)

Green (73%)

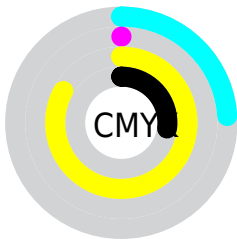
Blue (13%)



Red (13%)

Yellow (73%)

Blue (30%)

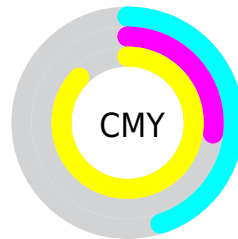


Cyan (24%)

Magenta (0%)

Yellow (83%)

Black (27%)



Cyan (45%)


Magenta (27%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8848, 0.3720, 0.5280 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 40.8848, 0.3720, 0.5280 by changing the saturation by 10% instead.


 40.8848, 0.3720,
0.5280


 40.8848, 0.3720,
0.5280


349.8389, 0.3509,
0.4257

 28.2291, 0.3729,
0.5519


 76.5090, 0.3672,
0.4915

 18.4984, 0.3712,
0.5804


 100.2462, 0.3645,
0.4775


 11.3084, 0.3670,
0.6194


 128.4461, 0.3618,
0.4655

 6.2747, 0.3460,
0.6540

 161.4931, 0.3593,
0.4553

 3.0128, 0.3054,
0.6946

 199.7714, 0.3569,
0.4464

 1.1384, 0.1506,
0.8494

 243.6656, 0.3547,

 0.0105, 0.0000,

0.4386

1.0000

293.5599, 0.3527,
0.4318

■ 0.0000, 0.0000,
0.0000

■ 40.8848, 0.3720,
0.5280

■ 40.8848, 0.3720,
0.5280

■ 40.3473, 0.3706,
0.5395

■ 41.5064, 0.3709,
0.5117

■ 39.9950, 0.3686,
0.5456

■ 42.2154, 0.3673,
0.4912

■ 43.0210, 0.3615,
0.4673

■ 43.9295, 0.3540,
0.4413

■ 44.9466, 0.3451,
0.4142

■ 46.0778, 0.3355,
0.3870

■ 47.3279, 0.3255,
0.3607

■ 48.7015, 0.3155,
0.3356

■ 50.2028, 0.3057,
0.3123

Harmonies

Analogous

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



40.8848, 0.4603, 0.4755



40.8848, 0.3720, 0.5280



40.8848, 0.2743, 0.5059

Triad

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



40.8848, 0.3720, 0.5280



40.8848, 0.1405, 0.2066



40.8848, 0.4346, 0.2643

Complementary

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



40.8848, 0.3720, 0.5280



6.1615, 0.1897, 0.0939

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.



40.8848, 0.3228, 0.2117



40.8848, 0.3720, 0.5280



40.8848, 0.1661, 0.1780

Square

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



40.8848, 0.3720, 0.5280



40.8848, 0.1476, 0.2783



40.8848, 0.2264, 0.1814



40.8848, 0.5109, 0.3299

Rectangle

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



40.8848, 0.3720, 0.5280



40.8848, 0.2162, 0.4383



40.8848, 0.2264, 0.1814



40.8848, 0.3985, 0.2448

Sweetspot

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



40.8866, 0.3720, 0.5280



82.9526, 0.3381, 0.3942



15.6682, 0.5504, 0.3738



18.1072, 0.3415, 0.4038



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.



40.8866, 0.3720, 0.5280



72.4459, 0.3681, 0.5455



36.3615, 0.3143, 0.5706



10.3680, 0.3220, 0.3519



26.9465, 0.3692, 0.5450



0.9800, 0.3827, 0.5343

Inverse Universe

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



6.1615, 0.1897, 0.0939



7.8764, 0.1688, 0.0707



11.3194, 0.2764, 0.1394



8.8433, 0.3029, 0.3057



2.9536, 0.1704, 0.0712



0.1370, 0.2003, 0.0877

Previews

White Background



This preview shows how the Yxy color 40.8848, 0.3720, 0.5280 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 40.8848, 0.3720, 0.5280 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 40.8848, 0.3720, 0.5280

Background



This preview shows how black text looks on a background with the Yxy color 40.8848, 0.3720, 0.5280.



This preview shows how white text looks on a background with the Yxy color 40.8848, 0.3720, 0.5280.

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

40.8848, 0.3720, 0.5280

Protanopia

40.4161, 0.4352, 0.4817

Deuteranopia

40.4850, 0.4597, 0.4491



Tritanopia

40.6431, 0.2880, 0.3095

Trichromacy



Original Color

40.8848, 0.3720, 0.5280

Protanomaly

40.0236, 0.4115, 0.4993

Deuteranomaly

39.9773, 0.4270, 0.4781

Tritanomaly

40.0588, 0.3268, 0.3993

Monochromacy



Original Color

40.8848, 0.3720, 0.5280

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.8823, 0.3461, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8848, 0.3720, 0.5280 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(141, 186, 32)` looks like.

```
.text, #text, p{  
    color:rgb(141, 186, 32)  
}
```

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(141, 186, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 186, 32) }
```

Border

The CSS property to change the border of an element to Yxy 40.8848, 0.3720, 0.5280 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(141, 186, 32) }
```

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

```
.border{ border-color:rgb(141, 186, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 186, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 186, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 186, 32);  
box-shadow:4px 4px 4px 4px rgb(141, 186,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8848, 0.3720, 0.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 186, 32) }
```

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

```
.background{ background-color: rgb(141,  
186, 32) }
```

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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