

Converting Colors

$Yxy(40.5804, 0.3496, 0.5329)$

Have a look what the booklet for
Yxy(40.5804, 0.3496, 0.5329)
contains.

Yxy(40.7222, 0.3496, 0.5333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7222, 0.3496, 0.5333)

Conversions

Conversions Part 1

Format	Color
Hex	7ABD2D
RGB	122, 189, 45
RGB Percent	48%, 74%, 18%
CMY	0.5217, 0.2588, 0.8233
CMYK	0.35, 0.00, 0.76, 0.26
HSL	88°, 61%, 46%
HSV	88°, 76%, 74%
XYZ	26.6951, 40.7222, 8.9416
YIQ	152.5510, 6.2920, -58.9880

Conversions

Conversions Part 2

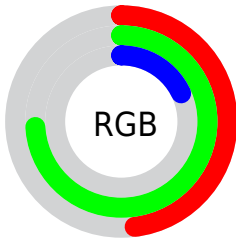
Format	Color
RYB	45, 189, 112
Decimal	8043821
CIELab	69.98, -43.17, 61.31
CIELCh	70, 74.981, 125.147
Yxy	40.7222, 0.3496, 0.5333
Android (android.graphics.Color)	4286233901 (0xFF7ABD2D)
YUV	152.5510, -53.0226, -26.7932
Hunter-Lab	63.8139, -37.0031, 36.3620

Details

The Yxy color **40.7222, 0.3496, 0.5333** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **9.0075, 0.2248, 0.1204**, and the grayscale version is **31.8834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4545, 0.3483, 0.4936**, and **18.4518, 0.3359, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **39.9958, 0.3474, 0.5510**, and if you desaturate by 10%, it is **41.5755, 0.3495, 0.5108**.

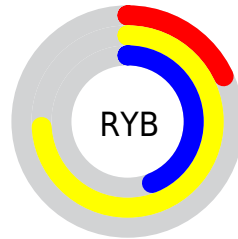
Distribution



Red (48%)

Green (74%)

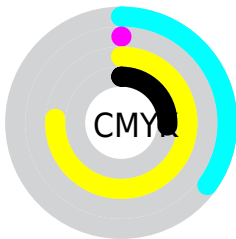
Blue (18%)



Red (18%)

Yellow (74%)

Blue (44%)

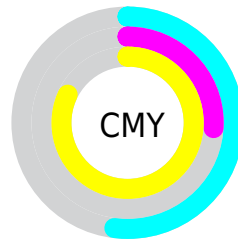


Cyan (35%)

Magenta (0%)

Yellow (76%)

Black (26%)



Cyan (52%)

Magenta (26%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7222, 0.3496, 0.5333 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 40.7222, 0.3496, 0.5333 by changing the saturation by 10% instead.


 40.7222, 0.3496,
0.5333


 40.7222, 0.3496,
0.5333


349.1582, 0.3392,
0.4255

 28.1021, 0.3483,
0.5599


 76.2620, 0.3485,
0.4938


 18.4026, 0.3439,
0.5928


 99.9505, 0.3472,
0.4789


 11.2394, 0.3344,
0.6355


 128.0972, 0.3458,
0.4664

 6.2281, 0.3127,
0.6873

 161.0866, 0.3444,
0.4558

 2.9843, 0.2632,
0.7368

 199.3029, 0.3430,
0.4466

 1.1235, 0.0000,
1.0000

 243.1307, 0.3416,

 0.0000, 0.0000,

0.4386

0.0000

292.9544, 0.3404,
0.4316

■ 40.7222, 0.3496,
0.5333

■ 40.7222, 0.3496,
0.5333

■ 39.9958, 0.3474,
0.5510

■ 41.5755, 0.3495,
0.5108

■ 39.3795, 0.3431,
0.5632

■ 42.5597, 0.3473,
0.4846

■ 39.1644, 0.3413,
0.5672

■ 43.6845, 0.3432,
0.4562

■ 44.9572, 0.3378,
0.4269

■ 46.3844, 0.3313,
0.3979

■ 47.9725, 0.3244,
0.3701

■ 49.7271, 0.3172,
0.3440

■ 51.6539, 0.3100,
0.3200

■ 53.7579, 0.3030,
0.2982

Harmonies

Analogous

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



40.7222, 0.4426, 0.4920



40.7222, 0.3496, 0.5333



40.7222, 0.2524, 0.4881

Triad

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



40.7222, 0.3496, 0.5333



40.7222, 0.1425, 0.1957



40.7222, 0.4585, 0.2781

Complementary

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



40.7222, 0.3496, 0.5333



9.0075, 0.2248, 0.1204

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.



40.7222, 0.3489, 0.2214



40.7222, 0.3496, 0.5333



40.7222, 0.1758, 0.1753

Square

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



40.7222, 0.3496, 0.5333



40.7222, 0.1418, 0.2567



40.7222, 0.2450, 0.1852



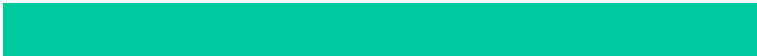
40.7222, 0.5202, 0.3457

Rectangle

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



40.7222, 0.3496, 0.5333



40.7222, 0.1984, 0.4101



40.7222, 0.2450, 0.1852



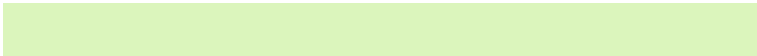
40.7222, 0.4246, 0.2575

Sweetspot

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



40.7240, 0.3496, 0.5333



83.8309, 0.3294, 0.3900



22.1268, 0.4960, 0.4061



17.8153, 0.3319, 0.4003



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.



40.7240, 0.3496, 0.5333



70.9093, 0.3449, 0.5593



37.3256, 0.3043, 0.5650



10.8938, 0.3195, 0.3522



26.3944, 0.3422, 0.5665



1.0725, 0.3601, 0.5523

Inverse Universe

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



9.0075, 0.2248, 0.1204



11.5743, 0.2041, 0.0933



15.4781, 0.3110, 0.1639



9.4372, 0.3055, 0.3058



3.9133, 0.1970, 0.0859



0.1922, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 40.7222, 0.3496, 0.5333 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 40.7222, 0.3496, 0.5333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

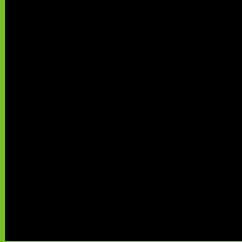
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7222, 0.3496, 0.5333

Background



This preview shows how black text looks on a background with the Yxy color 40.7222, 0.3496, 0.5333.



This preview shows how white text looks on a background with the Yxy color 40.7222, 0.3496, 0.5333.

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

40.7222, 0.3496, 0.5333

Protanopia

40.3554, 0.4303, 0.4767

Deuteranopia

40.2822, 0.4523, 0.4433



Tritanopia

40.4311, 0.2736, 0.3089

Trichromacy



Original Color

40.7222, 0.3496, 0.5333

Protanomaly

40.1149, 0.3987, 0.4988

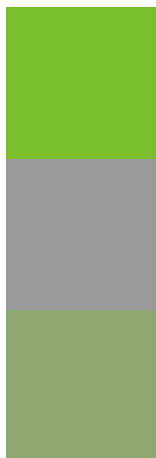
Deuteranomaly

39.4654, 0.4129, 0.4763

Tritanomaly

39.9222, 0.3071, 0.3971

Monochromacy



Original Color

40.7222, 0.3496, 0.5333

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.2381, 0.3348, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7222, 0.3496, 0.5333 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(122, 189, 45)` looks like.

```
.text, #text, p{  
    color:rgb(122, 189, 45)  
}
```

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(122, 189, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 189, 45) }
```

Border

The CSS property to change the border of an element to Yxy 40.7222, 0.3496, 0.5333 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(122, 189, 45) }
```

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

```
.border{ border-color:rgb(122, 189, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 189, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 189, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 189, 45);  
box-shadow:4px 4px 4px 4px rgb(122, 189,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7222, 0.3496, 0.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 189, 45) }
```

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

```
.background{ background-color: rgb(122,  
189, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor