

Converting Colors

$Y_{xy}(44.2503, 0.3296, 0.5224)$

Have a look what the booklet for
Yxy(44.2503, 0.3296, 0.5224)
contains.

Yxy(44.2503, 0.3296, 0.5224)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.2503, 0.3296, 0.5224)

Conversions

Conversions Part 1

Format	Color
Hex	70C644
RGB	112, 198, 68
RGB Percent	44%, 78%, 27%
CMY	0.5608, 0.2235, 0.7334
CMYK	0.43, 0.00, 0.66, 0.22
HSL	100°, 53%, 52%
HSV	100°, 66%, 78%
XYZ	27.9190, 44.2503, 12.5365
YIQ	157.4660, -9.5260, -58.6620

Conversions

Conversions Part 2

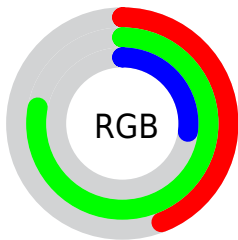
Format	Color
RYB	68, 198, 154
Decimal	7390788
CIELab	72.40, -48.64, 55.11
CIELCh	72, 73.506, 131.434
Yxy	44.2503, 0.3296, 0.5224
Android (android.graphics.Color)	4285580868 (0xFF70C644)
YUV	157.4660, -44.1067, -39.8737
Hunter-Lab	66.5209, -41.4946, 35.3909

Details

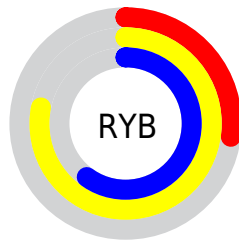
The Yxy color **44.2503, 0.3296, 0.5224** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **15.0805, 0.2675, 0.1577**, and the grayscale version is **34.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3602, 0.3308, 0.4838**, and **20.4040, 0.3221, 0.5818** is the 20% darker color. If you saturate the color by 10%, you get **43.2523, 0.3278, 0.5480**, and if you desaturate by 10%, it is **45.4587, 0.3298, 0.4928**.

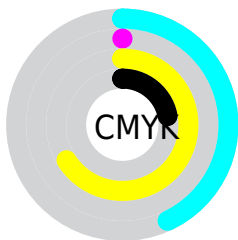
Distribution



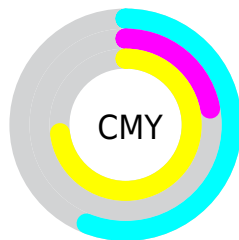
- Red (44%)
- Green (78%)
- Blue (27%)



- Red (27%)
- Yellow (78%)
- Blue (60%)



- Cyan (43%)
- Magenta (0%)
- Yellow (66%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2503, 0.3296, 0.5224 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 44.2503, 0.3296, 0.5224 by changing the saturation by 10% instead.


 44.2503, 0.3296,
0.5224

 44.2503, 0.3296,
0.5224

363.7287, 0.3278,
0.4196

 30.8673, 0.3272,
0.5487

 81.5943, 0.3309,
0.4842


 20.4978, 0.3221,
0.5821


 106.3240, 0.3308,
0.4701

 12.7574, 0.3119,
0.6250


 135.6049, 0.3305,
0.4582

 7.2617, 0.2985,
0.6965

 169.8211, 0.3300,
0.4481

 3.6263, 0.2507,
0.7493

 209.3573, 0.3294,
0.4394

 1.4668, 0.0738,
0.9262

254.5977, 0.3289,

 0.2652, 0.0000,

0.4319

1.0000

305.9267, 0.3283,
0.4254

■ 0.0000, 0.0000,
0.0000

■ 44.2503, 0.3296,
0.5224

■ 44.2503, 0.3296,
0.5224

■ 43.2523, 0.3278,
0.5480

■ 45.4587, 0.3298,
0.4928

■ 42.4451, 0.3243,
0.5681

■ 46.8843, 0.3285,
0.4613

■ 41.8140, 0.3195,
0.5817

■ 48.5403, 0.3261,
0.4294

■ 41.5844, 0.3173,
0.5862

■ 50.4373, 0.3229,
0.3985

■ 52.5849, 0.3191,
0.3695

■ 54.9925, 0.3151,
0.3429

■ 57.6688, 0.3109,
0.3189

■ 60.6220, 0.3068,
0.2975

■ 63.8601, 0.3029,
0.2785

Harmonies

Analogous

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



44.2503, 0.4217, 0.4987



44.2503, 0.3296, 0.5224



44.2503, 0.2380, 0.4590

Triad

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



44.2503, 0.3296, 0.5224



44.2503, 0.1524, 0.1940



44.2503, 0.4695, 0.2938

Complementary

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



44.2503, 0.3296, 0.5224



15.0805, 0.2675, 0.1577

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.



44.2503, 0.3706, 0.2356



44.2503, 0.3296, 0.5224



44.2503, 0.1920, 0.1804

Square

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



44.2503, 0.3296, 0.5224



44.2503, 0.1453, 0.2442



44.2503, 0.2666, 0.1956



44.2503, 0.5148, 0.3611

Rectangle

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



44.2503, 0.3296, 0.5224



44.2503, 0.1901, 0.3804



44.2503, 0.2666, 0.1956



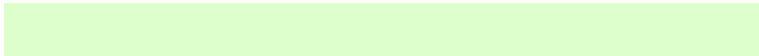
44.2503, 0.4404, 0.2730

Sweetspot

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



44.2522, 0.3296, 0.5224



91.2930, 0.3209, 0.3827



35.0428, 0.4398, 0.4324



19.3112, 0.3220, 0.3910



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.2522, 0.3296, 0.5224



75.9004, 0.3264, 0.5579



42.3152, 0.2943, 0.5120



12.0594, 0.3166, 0.3525



27.0845, 0.3182, 0.5855



1.3224, 0.3351, 0.5721

Inverse Universe

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



15.0805, 0.2675, 0.1577



20.3580, 0.2541, 0.1300



19.3742, 0.3441, 0.1994



10.6299, 0.3085, 0.3059



5.8372, 0.2379, 0.1084



0.3151, 0.2556, 0.1182

Previews

White Background



This preview shows how the Yxy color 44.2503, 0.3296, 0.5224 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 44.2503, 0.3296, 0.5224 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 44.2503, 0.3296, 0.5224

Background



This preview shows how black text looks on a background with the Yxy color 44.2503, 0.3296, 0.5224.



This preview shows how white text looks on a background with the Yxy color 44.2503, 0.3296, 0.5224.

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

44.2503, 0.3296, 0.5224

Protanopia

43.6624, 0.4207, 0.4636

Deuteranopia

43.6154, 0.4394, 0.4298



Tritanopia

43.9364, 0.2636, 0.3079

Trichromacy



Original Color

44.2503, 0.3296, 0.5224



Protanomaly

43.1751, 0.3839, 0.4875



Deuteranomaly

42.4379, 0.3959, 0.4644



Tritanomaly

43.5295, 0.2903, 0.3866

Monochromacy



Original Color

44.2503, 0.3296, 0.5224



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.6484, 0.3235, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2503, 0.3296, 0.5224 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(112, 198, 68)` looks like.

```
.text, #text, p{  
    color:rgb(112, 198, 68)  
}
```

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(112, 198, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 198, 68) }
```

Border

The CSS property to change the border of an element to Yxy 44.2503, 0.3296, 0.5224 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(112, 198, 68) }
```

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

```
.border{ border-color:rgb(112, 198, 68) }
```

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

Here you see how a box with a 4 pixel rgb(112, 198, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 198, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 198, 68);  
box-shadow:4px 4px 4px 4px rgb(112, 198,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2503, 0.3296, 0.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 198, 68) }
```

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

```
.background{ background-color: rgb(112,  
198, 68) }
```

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