

Converting Colors

$Y_{xy}(44.5699, 0.3245, 0.5265)$

Have a look what the booklet for
Yxy(44.5699, 0.3245, 0.5265)
contains.

Yxy(44.7292, 0.3242, 0.5268)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.7292, 0.3242, 0.5268)

Conversions

Conversions Part 1

Format	Color
Hex	69C844
RGB	105, 200, 68
RGB Percent	41%, 78%, 27%
CMY	0.5881, 0.2157, 0.7333
CMYK	0.47, 0.00, 0.66, 0.22
HSL	103°, 55%, 53%
HSV	103°, 66%, 78%
XYZ	27.5270, 44.7292, 12.6512
YIQ	156.5470, -14.2480, -61.1920

Conversions

Conversions Part 2

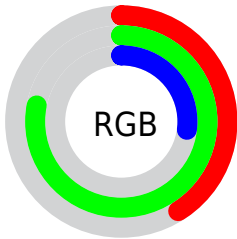
Format	Color
RYB	68, 200, 163
Decimal	6932548
CIELab	72.71, -51.58, 55.36
CIElCh	73, 75.663, 132.973
Yxy	44.7292, 0.3242, 0.5268
Android (android.graphics.Color)	4285122628 (0xFF69C844)
YUV	156.5470, -43.6537, -45.2067
Hunter-Lab	66.8799, -43.5713, 35.6005

Details

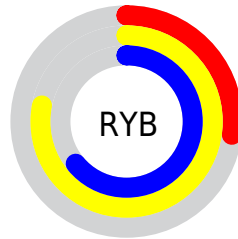
The Yxy color **44.7292, 0.3242, 0.5268** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **16.0866, 0.2760, 0.1609**, and the grayscale version is **33.7126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7117, 0.3272, 0.4856**, and **20.7644, 0.3150, 0.5881** is the 20% darker color. If you saturate the color by 10%, you get **43.7280, 0.3220, 0.5529**, and if you desaturate by 10%, it is **45.9649, 0.3250, 0.4966**.

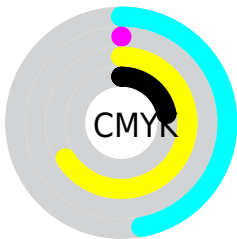
Distribution



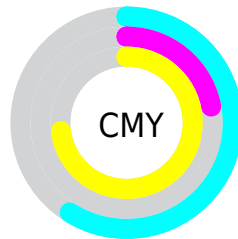
- Red (41%)
- Green (78%)
- Blue (27%)



- Red (27%)
- Yellow (78%)
- Blue (64%)



- Cyan (47%)
- Magenta (0%)
- Yellow (66%)
- Black (22%)





- Cyan (59%)
- Magenta (22%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7292, 0.3242, 0.5268 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 44.7292, 0.3242, 0.5268 by changing the saturation by 10% instead.

 44.7292, 0.3242,
0.5268


 44.7292, 0.3242,
0.5268

365.6757, 0.3253,
0.4214

 31.2442, 0.3210,
0.5538


 82.3139, 0.3266,
0.4876


 20.7849, 0.3149,
0.5882


 107.1824, 0.3269,
0.4731


 12.9668, 0.3034,
0.6325


 136.6141, 0.3269,
0.4609

 7.4057, 0.2878,
0.7053

 170.9935, 0.3267,
0.4506

 3.7171, 0.2387,
0.7613

 210.7050, 0.3264,
0.4417

 1.5166, 0.0493,
0.9507

256.1329, 0.3261,

 0.3004, 0.0000,

0.4340

1.0000

307.6617, 0.3257,
0.4273

■ 0.0000, 0.0000,
0.0000

■ 44.7292, 0.3242,
0.5268

■ 44.7292, 0.3242,
0.5268

■ 43.7280, 0.3220,
0.5529

■ 45.9649, 0.3250,
0.4966

■ 42.9392, 0.3185,
0.5730

■ 47.4440, 0.3245,
0.4642

■ 42.3457, 0.3140,
0.5863

■ 49.1815, 0.3229,
0.4316

■ 42.1522, 0.3122,
0.5903

■ 51.1897, 0.3206,
0.4001

■ 53.4799, 0.3178,
0.3707

■ 56.0629, 0.3147,
0.3438

■ 58.9488, 0.3114,
0.3197

■ 62.1473, 0.3082,
0.2982

■ 65.6676, 0.3050,
0.2793

Harmonies

Analogous

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



44.7292, 0.4187, 0.5049



44.7292, 0.3242, 0.5268



44.7292, 0.2316, 0.4571

Triad

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



44.7292, 0.3242, 0.5268



44.7292, 0.1507, 0.1896



44.7292, 0.4775, 0.2960

Complementary

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



44.7292, 0.3242, 0.5268



16.0866, 0.2760, 0.1609

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.



44.7292, 0.3777, 0.2363



44.7292, 0.3242, 0.5268



44.7292, 0.1924, 0.1777

Square

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



44.7292, 0.3242, 0.5268



44.7292, 0.1416, 0.2382



44.7292, 0.2703, 0.1946



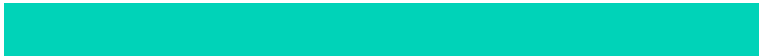
44.7292, 0.5199, 0.3646

Rectangle

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



44.7292, 0.3242, 0.5268



44.7292, 0.1842, 0.3751



44.7292, 0.2703, 0.1946



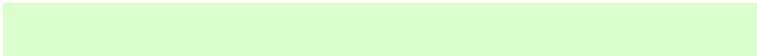
44.7292, 0.4485, 0.2747

Sweetspot

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



44.7311, 0.3242, 0.5268



90.8331, 0.3190, 0.3830



38.7489, 0.4326, 0.4424



19.2022, 0.3198, 0.3914



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.



44.7311, 0.3242, 0.5268



75.1023, 0.3207, 0.5620



43.3926, 0.2900, 0.4997



12.0295, 0.3157, 0.3526



26.8416, 0.3130, 0.5896



1.3083, 0.3294, 0.5767

Inverse Universe

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



16.0866, 0.2760, 0.1609



21.8864, 0.2652, 0.1357



19.3691, 0.3564, 0.2075



10.6613, 0.3094, 0.3059



6.4614, 0.2515, 0.1159



0.3410, 0.2666, 0.1242

Previews

White Background



This preview shows how the Yxy color 44.7292, 0.3242, 0.5268 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 44.7292, 0.3242, 0.5268 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 44.7292, 0.3242, 0.5268

Background



This preview shows how black text looks on a background with the Yxy color 44.7292, 0.3242, 0.5268.



This preview shows how white text looks on a background with the Yxy color 44.7292, 0.3242, 0.5268.

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

44.7292, 0.3242, 0.5268

Protanopia

44.1944, 0.4208, 0.4640

Deuteranopia

44.1416, 0.4395, 0.4303



Tritanopia

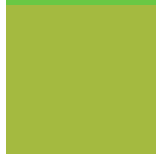
44.4720, 0.2595, 0.3079

Trichromacy



Original Color

44.7292, 0.3242, 0.5268



Protanomaly

43.3805, 0.3813, 0.4895



Deuteranomaly

42.6019, 0.3933, 0.4665



Tritanomaly

43.9923, 0.2856, 0.3884

Monochromacy



Original Color

44.7292, 0.3242, 0.5268



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.7711, 0.3206, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7292, 0.3242, 0.5268 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(105, 200, 68)` looks like.

```
.text, #text, p{  
    color:rgb(105, 200, 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(105, 200, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 200, 68) }
```

Border

The CSS property to change the border of an element to Yxy 44.7292, 0.3242, 0.5268 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(105, 200, 68) }
```

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

```
.border{ border-color:rgb(105, 200, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 200, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 200, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 200, 68);  
box-shadow:4px 4px 4px 4px rgb(105, 200,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7292, 0.3242, 0.5268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 200, 68) }
```

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

```
.background{ background-color: rgb(105,  
200, 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](#).

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