

Converting Colors

$Y_{xy}(30.4025, 0.3483, 0.6236)$

Have a look what the booklet for
Yxy(30.4025, 0.3483, 0.6236)
contains.

Yxy(30.7455, 0.3312, 0.5752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7455, 0.3312, 0.5752)

Conversions

Conversions Part 1

Format	Color
Hex	4EAB00
RGB	78, 171, 0
RGB Percent	31%, 67%, 0%
CMY	0.6942, 0.3294, 0.9997
CMYK	0.54, 0.00, 1.00, 0.33
HSL	93°, 100%, 34%
HSV	93°, 100%, 67%
XYZ	17.7033, 30.7455, 5.0031
YIQ	123.6990, -0.5370, -72.8970

Conversions

Conversions Part 2

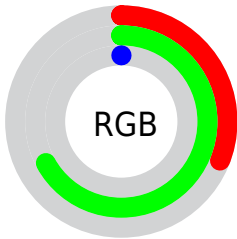
Format	Color
RYB	0, 171, 93
Decimal	5155584
CIELab	62.29, -51.92, 63.35
CIELCh	62, 81.910, 129.337
Yxy	30.7455, 0.3312, 0.5752
Android (android.graphics.Color)	4283345664 (0xFF4EAB00)
YUV	123.6990, -60.9836, -40.0780
Hunter-Lab	55.4486, -40.0449, 33.4643

Details

The Yxy color **30.7455, 0.3312, 0.5752** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.2751, 0.2118, 0.0941**, and the grayscale version is **20.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7645, 0.3363, 0.5232**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.7449, 0.3312, 0.5752**, and if you desaturate by 10%, it is **31.2089, 0.3361, 0.5632**.

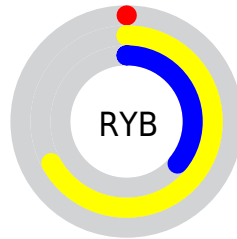
Distribution



Red (31%)

Green (67%)

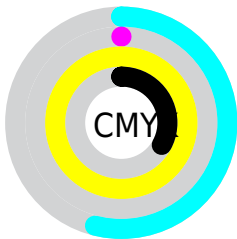
Blue (0%)



Red (0%)

Yellow (67%)

Blue (36%)

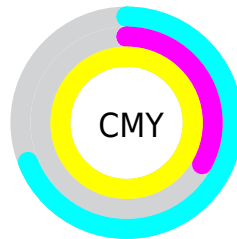


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (69%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7455, 0.3312, 0.5752 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 30.7455, 0.3312, 0.5752 by changing the saturation by 10% instead.


 30.7455, 0.3312,
0.5752


 30.7455, 0.3312,
0.5752


305.3641, 0.3335,
0.4385


 20.4051, 0.3241,
0.6104


 60.8392, 0.3363,
0.5237

 12.6899, 0.3108,
0.6547


 81.3612, 0.3368,
0.5047

 7.2153, 0.2867,
0.7133

 106.0460, 0.3367,
0.4889

 3.5971, 0.2343,
0.7657

 135.2779, 0.3363,
0.4756

 1.4509, 0.0176,
0.9824

 169.4412, 0.3357,
0.4642


 0.2538, 0.0000,
1.0000

 208.9205, 0.3350,

 0.0000, 0.0000,


0.4544


0.0000


 254.1000, 0.3343,
0.4459


 30.7455, 0.3312,
0.5752


 30.7455, 0.3312,
0.5752


 30.7449, 0.3312,
0.5752

 31.2089, 0.3361,
0.5632

 31.7640, 0.3396,
0.5464

 32.4282, 0.3412,
0.5243

 33.2099, 0.3407,
0.4980

 34.1164, 0.3384,
0.4691

■ 35.1543, 0.3347,
0.4390

■ 36.3296, 0.3299,
0.4092

■ 37.6480, 0.3244,
0.3805

■ 39.1147, 0.3186,
0.3536

Harmonies

Analogous

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



30.7455, 0.4405, 0.5228



30.7455, 0.3312, 0.5752



30.7455, 0.2231, 0.5083

Triad

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



30.7455, 0.3312, 0.5752



30.7455, 0.1227, 0.1689



30.7455, 0.5017, 0.2772

Complementary

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



30.7455, 0.3312, 0.5752



5.2751, 0.2118, 0.0941

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.



30.7455, 0.3733, 0.2125



30.7455, 0.3312, 0.5752



30.7455, 0.1638, 0.1535

Square

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



30.7455, 0.3312, 0.5752



30.7455, 0.1158, 0.2273



30.7455, 0.2469, 0.1691



30.7455, 0.5595, 0.3513

Rectangle

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



30.7455, 0.3312, 0.5752



30.7455, 0.1665, 0.4034



30.7455, 0.2469, 0.1691



30.7455, 0.4634, 0.2541

Sweetspot

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



30.7468, 0.3312, 0.5752



64.9316, 0.3302, 0.4109



16.1817, 0.5301, 0.4173



14.2824, 0.3322, 0.4230



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.7468, 0.3312, 0.5752



54.9354, 0.3300, 0.5762



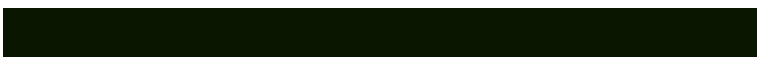
29.1413, 0.2994, 0.5977



9.1114, 0.3182, 0.3520



23.2058, 0.3319, 0.5747



0.6783, 0.3569, 0.5548

Inverse Universe

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



5.2751, 0.2118, 0.0941



9.3128, 0.2101, 0.0931



11.3881, 0.3294, 0.1588



7.9639, 0.3068, 0.3062



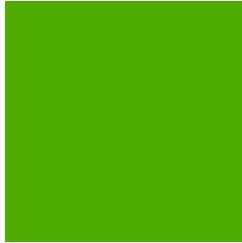
4.0054, 0.2127, 0.0946



0.1434, 0.2452, 0.1125

Previews

White Background



This preview shows how the Yxy color 30.7455, 0.3312, 0.5752 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 30.7455, 0.3312, 0.5752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

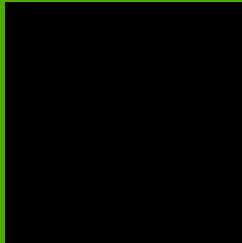
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7455, 0.3312, 0.5752

Background



This preview shows how black text looks on a background with the Yxy color 30.7455, 0.3312, 0.5752.



This preview shows how white text looks on a background with the Yxy color 30.7455, 0.3312, 0.5752.

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

30.7455, 0.3312, 0.5752

Protanopia

30.2477, 0.4404, 0.4885

Deuteranopia

30.1587, 0.4607, 0.4524



Tritanopia

30.6584, 0.2551, 0.3075

Trichromacy



Original Color

30.7455, 0.3312, 0.5752

Protanomaly

29.6880, 0.3953, 0.5243

Deuteranomaly

29.1363, 0.4093, 0.5022

Tritanomaly

29.6782, 0.2956, 0.4284

Monochromacy



Original Color

30.7455, 0.3312, 0.5752

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.7401, 0.3358, 0.4491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7455, 0.3312, 0.5752 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(78, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 171, 0)  
}
```

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(78, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.7455, 0.3312, 0.5752 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(78, 171, 0) }
```

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

```
.border{ border-color:rgb(78, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 171, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.7455, 0.3312, 0.5752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 171, 0) }
```

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

```
.background{ background-color: rgb(78, 171,  
0) }
```

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