

Converting Colors

$Y_{xy}(33.0045, 0.3577, 0.5542)$

Have a look what the booklet for
Yxy(33.0045, 0.3577, 0.5542)
contains.

Yxy(32.8200, 0.3577, 0.5542)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8200, 0.3577, 0.5542)

Conversions

Conversions Part 1

Format	Color
Hex	6EAC00
RGB	110, 172, 0
RGB Percent	43%, 67%, 0%
CMY	0.5686, 0.3255, 1.0000
CMYK	0.36, 0.00, 1.00, 0.33
HSL	82°, 100%, 34%
HSV	82°, 100%, 67%
XYZ	21.1832, 32.8200, 5.2173
YIQ	133.8540, 18.2600, -66.6360

Conversions

Conversions Part 2

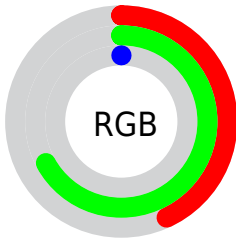
Format	Color
RYB	0, 172, 62
Decimal	7252992
CIELab	64.01, -41.74, 65.31
CIELCh	64, 77.514, 122.584
Yxy	32.8200, 0.3577, 0.5542
Android (android.graphics.Color)	4285443072 (0xFF6EAC00)
YUV	133.8540, -65.9900, -20.9200
Hunter-Lab	57.2887, -34.2529, 34.7025

Details

The Yxy color **32.8200, 0.3577, 0.5542** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.0028, 0.1789, 0.0759**, and the grayscale version is **24.0269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2103, 0.3572, 0.5102**, and **13.9505, 0.3321, 0.5745** is the 20% darker color. If you saturate the color by 10%, you get **32.8215, 0.3577, 0.5542**, and if you desaturate by 10%, it is **33.2743, 0.3611, 0.5441**.

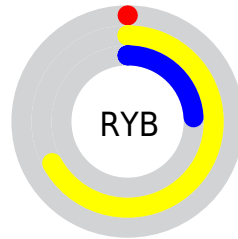
Distribution



Red (43%)

Green (67%)

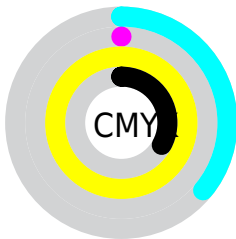
Blue (0%)



Red (0%)

Yellow (67%)

Blue (24%)

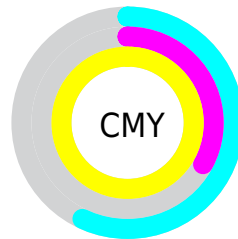


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (57%)


Magenta (33%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8200, 0.3577, 0.5542 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 32.8200, 0.3577, 0.5542 by changing the saturation by 10% instead.


 32.8200, 0.3577,
0.5542


 32.8200, 0.3577,
0.5542


 314.8379, 0.3453,
0.4332

 21.9886, 0.3549,
0.5837


 64.0944, 0.3570,
0.5099


 13.8485, 0.3473,
0.6196


 85.3062, 0.3555,
0.4931


 8.0154, 0.3326,
0.6674


 110.7469, 0.3538,
0.4791

 4.1048, 0.2927,
0.7073

 140.8009, 0.3519,
0.4671

 1.7324, 0.2082,
0.7918

 175.8526, 0.3502,
0.4568

 0.4445, 0.0000,
1.0000

 216.2864, 0.3485,

 0.0000, 0.0000,

0.4479

0.0000

262.4867, 0.3468,
0.4401

32.8200, 0.3577,
0.5542

32.8200, 0.3577,
0.5542

32.8215, 0.3577,
0.5542

33.2743, 0.3611,
0.5441

33.7912, 0.3627,
0.5299

34.3867, 0.3619,
0.5110

35.0681, 0.3588,
0.4880

35.8412, 0.3536,
0.4622

■ 36.7114, 0.3468,
0.4349

■ 37.6837, 0.3390,
0.4070

■ 38.7625, 0.3304,
0.3797

■ 39.9519, 0.3215,
0.3535

Harmonies

Analogous

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



32.8200, 0.4578, 0.4966



32.8200, 0.3577, 0.5542



32.8200, 0.2525, 0.5178

Triad

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



32.8200, 0.3577, 0.5542



32.8200, 0.1280, 0.1869



32.8200, 0.4650, 0.2664

Complementary

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



32.8200, 0.3577, 0.5542



4.0028, 0.1789, 0.0759

Split Complementary

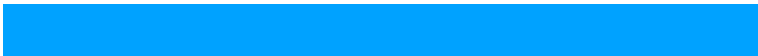
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.8200, 0.3409, 0.2078



32.8200, 0.3577, 0.5542



32.8200, 0.1600, 0.1633

Square

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



32.8200, 0.3577, 0.5542



32.8200, 0.1294, 0.2556



32.8200, 0.2300, 0.1718



32.8200, 0.5387, 0.3369

Rectangle

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



32.8200, 0.3577, 0.5542



32.8200, 0.1927, 0.4320



32.8200, 0.2300, 0.1718



32.8200, 0.4259, 0.2450

Sweetspot

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



32.8215, 0.3577, 0.5542



68.2615, 0.3394, 0.4085



12.0238, 0.5825, 0.3757



14.6746, 0.3427, 0.4199



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.



32.8215, 0.3577, 0.5542



59.4123, 0.3567, 0.5550



29.7232, 0.3045, 0.5964



9.1837, 0.3209, 0.3518



24.4553, 0.3583, 0.5537



0.7097, 0.3773, 0.5386

Inverse Universe

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



4.0028, 0.1789, 0.0759



7.1478, 0.1772, 0.0750



9.1083, 0.2835, 0.1335



7.8925, 0.3040, 0.3060



3.0072, 0.1799, 0.0765



0.1150, 0.2167, 0.0967

Previews

White Background



This preview shows how the Yxy color 32.8200, 0.3577, 0.5542 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 32.8200, 0.3577, 0.5542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

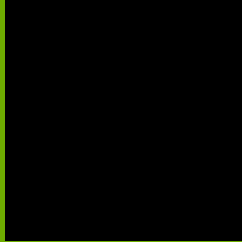
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8200, 0.3577, 0.5542

Background



This preview shows how black text looks on a background with the Yxy color 32.8200, 0.3577, 0.5542.



This preview shows how white text looks on a background with the Yxy color 32.8200, 0.3577, 0.5542.

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

32.8200, 0.3577, 0.5542

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

32.5793, 0.4628, 0.4539



Tritanopia

32.7479, 0.2735, 0.3087

Trichromacy



Original Color

32.8200, 0.3577, 0.5542

Protanomaly

32.0690, 0.4086, 0.5137

Deuteranomaly

31.7236, 0.4241, 0.4922

Tritanomaly

31.7417, 0.3183, 0.4214

Monochromacy



Original Color

32.8200, 0.3577, 0.5542

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

26.1957, 0.3480, 0.4407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8200, 0.3577, 0.5542 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(110, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 172, 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(110, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 172, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.8200, 0.3577, 0.5542 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(110, 172, 0) }
```

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

```
.border{ border-color:rgb(110, 172, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 172,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8200, 0.3577, 0.5542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 172, 0) }
```

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

```
.background{ background-color: rgb(110,  
172, 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