

Converting Colors

$Y_{xy}(32.4795, 0.3639, 0.5677)$

Have a look what the booklet for
Yxy(32.4795, 0.3639, 0.5677)
contains.

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Color

Yxy(32.4408, 0.3583, 0.5537)

Conversions

Conversions Part 1

Format	Color
Hex	6EAB00
RGB	110, 171, 0
RGB Percent	43%, 67%, 0%
CMY	0.5687, 0.3294, 0.9999
CMYK	0.36, 0.00, 1.00, 0.33
HSL	81°, 100%, 34%
HSV	81°, 100%, 67%
XYZ	20.9925, 32.4408, 5.1558
YIQ	133.2670, 18.5350, -66.1130

Conversions

Conversions Part 2

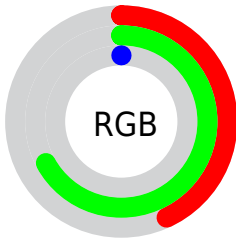
Format	Color
RYB	0, 171, 61
Decimal	7252736
CIELab	63.71, -41.32, 65.07
CIElCh	64, 77.080, 122.419
Yxy	32.4408, 0.3583, 0.5537
Android (android.graphics.Color)	4285442816 (0xFF6EAB00)
YUV	133.2670, -65.7006, -20.4052
Hunter-Lab	56.9568, -33.8850, 34.5027

Details

The Yxy color **32.4408, 0.3583, 0.5537** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.9350, 0.1784, 0.0757**, and the grayscale version is **23.7988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6617, 0.3576, 0.5096**, and **13.7138, 0.3327, 0.5741** is the 20% darker color. If you saturate the color by 10%, you get **32.4413, 0.3583, 0.5537**, and if you desaturate by 10%, it is **32.8881, 0.3617, 0.5436**.

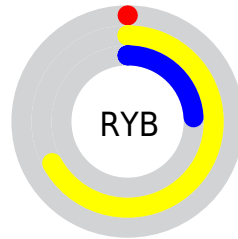
Distribution



Red (43%)

Green (67%)

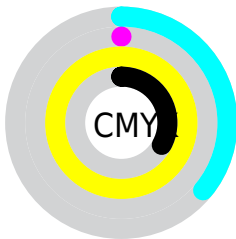
Blue (0%)



Red (0%)

Yellow (67%)

Blue (24%)

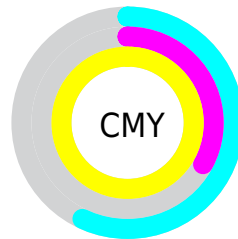


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (57%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4408, 0.3583, 0.5537 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 32.4408, 0.3583, 0.5537 by changing the saturation by 10% instead.


 32.4408, 0.3583,
0.5537


 32.4408, 0.3583,
0.5537


313.1224, 0.3455,
0.4328


 21.6984, 0.3556,
0.5832


 63.5015, 0.3575,
0.5094


 13.6355, 0.3481,
0.6192


 84.5886, 0.3559,
0.4927


 7.8676, 0.3332,
0.6668


 109.8927, 0.3541,
0.4786


 4.0103, 0.2932,
0.7068

 139.7982, 0.3523,
0.4666

 1.6793, 0.2051,
0.7949

 174.6895, 0.3504,
0.4564

 0.4102, 0.0000,
1.0000


 214.9511, 0.3487,


 0.0000, 0.0000,

0.4475

0.0000


 260.9672, 0.3471,
0.4397

 32.4408, 0.3583,
0.5537


 32.4408, 0.3583,
0.5537


 32.4413, 0.3583,
0.5537

 32.8881, 0.3617,
0.5436

 33.3965, 0.3632,
0.5295

 33.9822, 0.3623,
0.5106

 34.6519, 0.3591,
0.4877

 35.4116, 0.3539,
0.4620

■ 36.2666, 0.3471,
0.4347

■ 37.2216, 0.3391,
0.4069

■ 38.2811, 0.3305,
0.3796

■ 39.4492, 0.3216,
0.3535

Harmonies

Analogous

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



32.4408, 0.4581, 0.4960



32.4408, 0.3583, 0.5537



32.4408, 0.2532, 0.5180

Triad

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



32.4408, 0.3583, 0.5537



32.4408, 0.1281, 0.1873



32.4408, 0.4641, 0.2662

Complementary

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



32.4408, 0.3583, 0.5537



3.9350, 0.1784, 0.0757

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.



32.4408, 0.3402, 0.2077



32.4408, 0.3583, 0.5537



32.4408, 0.1599, 0.1635

Square

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



32.4408, 0.3583, 0.5537



32.4408, 0.1297, 0.2563



32.4408, 0.2296, 0.1718



32.4408, 0.5382, 0.3365

Rectangle

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



32.4408, 0.3583, 0.5537



32.4408, 0.1933, 0.4326



32.4408, 0.2296, 0.1718



32.4408, 0.4250, 0.2448

Sweetspot

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



32.4422, 0.3583, 0.5537



66.5585, 0.3396, 0.4084



11.8772, 0.5823, 0.3758



14.6826, 0.3429, 0.4198



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.



32.4422, 0.3583, 0.5537



57.9737, 0.3573, 0.5545



29.3433, 0.3045, 0.5964



9.1851, 0.3210, 0.3518



24.4847, 0.3589, 0.5533



0.7104, 0.3777, 0.5383

Inverse Universe

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



3.9350, 0.1784, 0.0757



6.9356, 0.1767, 0.0747



8.9937, 0.2835, 0.1335



7.8911, 0.3039, 0.3059



2.9923, 0.1793, 0.0762



0.1145, 0.2161, 0.0964

Previews

White Background



This preview shows how the Yxy color 32.4408, 0.3583, 0.5537 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 32.4408, 0.3583, 0.5537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

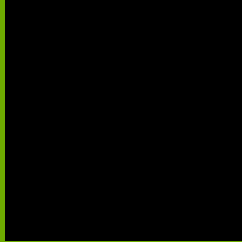
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4408, 0.3583, 0.5537

Background



This preview shows how black text looks on a background with the Yxy color 32.4408, 0.3583, 0.5537.



This preview shows how white text looks on a background with the Yxy color 32.4408, 0.3583, 0.5537.

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

32.4408, 0.3583, 0.5537

Protanopia

31.9954, 0.4399, 0.4889

Deuteranopia

32.1369, 0.4630, 0.4536



Tritanopia

32.3640, 0.2741, 0.3086

Trichromacy



Original Color

32.4408, 0.3583, 0.5537

Protanomaly

31.6256, 0.4086, 0.5138

Deuteranomaly

31.2834, 0.4241, 0.4921

Tritanomaly

31.3635, 0.3192, 0.4217

Monochromacy



Original Color

32.4408, 0.3583, 0.5537

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.8833, 0.3484, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4408, 0.3583, 0.5537 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, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 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(110, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.4408, 0.3583, 0.5537 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, 171, 0) }
```

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

```
.border{ border-color:rgb(110, 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(110, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4408, 0.3583, 0.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 171, 0) }
```

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

```
.background{ background-color: rgb(110,  
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](#).

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