

Converting Colors

$Y_{xy}(32.8815, 0.3449, 0.5464)$

Have a look what the booklet for
Yxy(32.8815, 0.3449, 0.5464)
contains.

Yxy(32.8696, 0.3453, 0.5460)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.8696, 0.3453, 0.5460)

Conversions

Conversions Part 1	
Format	Color
Hex	67AD1F
RGB	103, 173, 31
RGB Percent	40%, 68%, 12%
CMY	0.5959, 0.3216, 0.8785
CMYK	0.40, 0.00, 0.82, 0.32
HSL	90°, 70%, 40%
HSV	90°, 82%, 68%
XYZ	20.7873, 32.8696, 6.5438
YIQ	135.8820, 3.8620, -59.0020

Conversions

Conversions Part 2

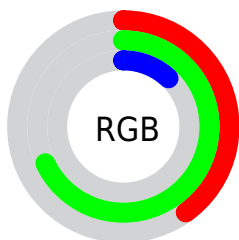
Format	Color
RYB	31, 173, 101
Decimal	6794527
CIELab	64.06, -43.82, 59.69
CIELCh	64, 74.043, 126.284
Yxy	32.8696, 0.3453, 0.5460
Android (android.graphics.Color)	4284984607 (0xFF67AD1F)
YUV	135.8820, -51.7068, -28.8375
Hunter-Lab	57.3320, -35.6109, 33.3651

Details

The Yxy color **32.8696, 0.3453, 0.5460** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.7601, 0.2222, 0.1121**, and the grayscale version is **24.7734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2335, 0.3461, 0.5016**, and **13.9908, 0.3239, 0.5810** is the 20% darker color. If you saturate the color by 10%, you get **32.3242, 0.3417, 0.5610**, and if you desaturate by 10%, it is **33.5181, 0.3468, 0.5257**.

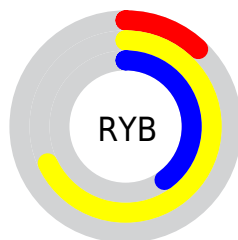
Distribution



Red (40%)

Green (68%)

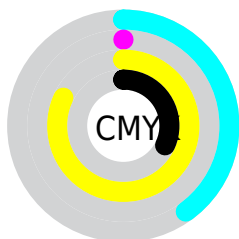
Blue (12%)



Red (12%)

Yellow (68%)

Blue (40%)

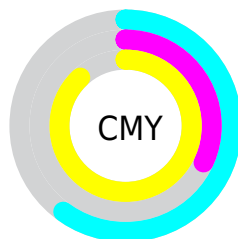


Cyan (40%)

Magenta (0%)

Yellow (82%)

Black (32%)



Cyan (60%)


Magenta (32%)


Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8696, 0.3453, 0.5460 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 32.8696, 0.3453, 0.5460 by changing the saturation by 10% instead.

 32.8696, 0.3453,
0.5460


 32.8696, 0.3453,
0.5460


 315.0617, 0.3376,
0.4273


 22.0266, 0.3423,
0.5764


 64.1719, 0.3457,
0.5016


 13.8764, 0.3348,
0.6144


 85.3999, 0.3448,
0.4851

 8.0348, 0.3248,
0.6752


 110.8584, 0.3436,
0.4714

 4.1172, 0.2831,
0.7169

 140.9318, 0.3424,
0.4598

 1.7393, 0.1905,
0.8095

 176.0044, 0.3411,
0.4499

 0.4489, 0.0000,
1.0000


 216.4607, 0.3399,


 0.0000, 0.0000,

0.4413


0.0000


262.6850, 0.3387,
0.4339


 32.8696, 0.3453,
0.5460

 32.8696, 0.3453,
0.5460


 32.3242, 0.3417,
0.5610


 33.5181, 0.3468,
0.5257


 31.9500, 0.3379,
0.5699


 34.2739, 0.3461,
0.5011


 35.1455, 0.3434,
0.4734


 36.1393, 0.3391,
0.4442

 37.2613, 0.3337,
0.4148

 38.5167, 0.3275,
0.3862

 39.9107, 0.3209,
0.3591

 41.4480, 0.3141,
0.3340

 43.1331, 0.3075,
0.3110

Harmonies

Analogous

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



32.8696, 0.4435, 0.5011



32.8696, 0.3453, 0.5460



32.8696, 0.2443, 0.4955

Triad

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



32.8696, 0.3453, 0.5460



32.8696, 0.1359, 0.1874



32.8696, 0.4708, 0.2773

Complementary

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



32.8696, 0.3453, 0.5460



6.7601, 0.2222, 0.1121

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.



32.8696, 0.3551, 0.2181



32.8696, 0.3453, 0.5460



32.8696, 0.1715, 0.1683

Square

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



32.8696, 0.3453, 0.5460



32.8696, 0.1335, 0.2483



32.8696, 0.2447, 0.1798



32.8696, 0.5326, 0.3472

Rectangle

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



32.8696, 0.3453, 0.5460



32.8696, 0.1890, 0.4098



32.8696, 0.2447, 0.1798



32.8696, 0.4353, 0.2559

Sweetspot

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



32.8710, 0.3453, 0.5460



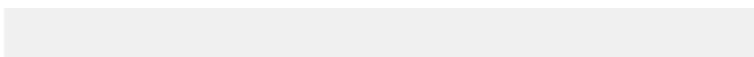
68.2032, 0.3296, 0.3956



18.0256, 0.5041, 0.4130



14.6565, 0.3317, 0.4054



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.



32.8710, 0.3453, 0.5460



57.1733, 0.3373, 0.5699



30.3145, 0.3018, 0.5779



9.1315, 0.3190, 0.3519



23.5067, 0.3387, 0.5693



0.6864, 0.3625, 0.5504

Inverse Universe

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



6.7601, 0.2222, 0.1121



8.8767, 0.2007, 0.0883



12.6129, 0.3172, 0.1617



7.9436, 0.3060, 0.3061



3.6771, 0.2025, 0.0889



0.1349, 0.2371, 0.1080

Previews

White Background



This preview shows how the Yxy color 32.8696, 0.3453, 0.5460 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 32.8696, 0.3453, 0.5460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

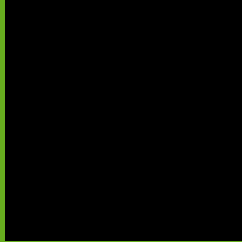
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8696, 0.3453, 0.5460

Background



This preview shows how black text looks on a background with the Yxy color 32.8696, 0.3453, 0.5460.



This preview shows how white text looks on a background with the Yxy color 32.8696, 0.3453, 0.5460.

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

32.8696, 0.3453, 0.5460

Protanopia

32.5159, 0.4345, 0.4811

Deuteranopia

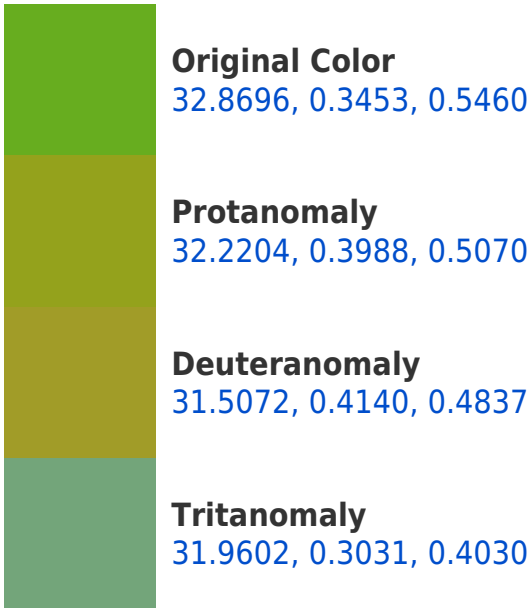
32.5262, 0.4561, 0.4474



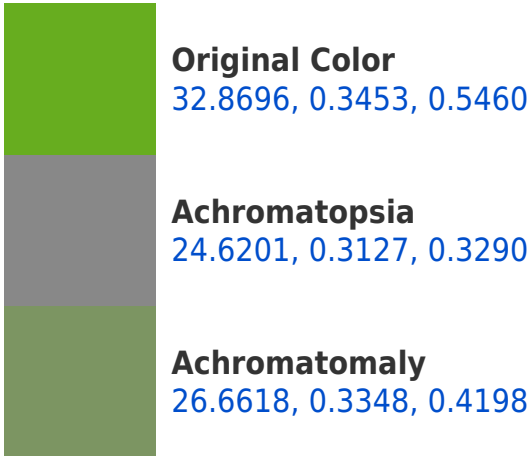
Tritanopia

32.6833, 0.2682, 0.3085

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8696, 0.3453, 0.5460 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(103, 173, 31)` looks like.

```
.text, #text, p{  
    color:rgb(103, 173, 31)  
}
```

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(103, 173, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 173, 31) }
```

Border

The CSS property to change the border of an element to Yxy 32.8696, 0.3453, 0.5460 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(103, 173, 31) }
```

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

```
.border{ border-color:rgb(103, 173, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 173, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 173, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 173, 31);  
box-shadow:4px 4px 4px 4px rgb(103, 173,  
31) }
```

Background

The CSS property to change the background color of an element to Yxy 32.8696, 0.3453, 0.5460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 173, 31) }
```

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

```
.background{ background-color: rgb(103,  
173, 31) }
```

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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