

Converting Colors

$Y_{xy}(32.8076, 0.3435, 0.5654)$

Have a look what the booklet for
Yxy(32.8076, 0.3435, 0.5654)
contains.

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Color

Yxy(32.7050, 0.3434, 0.5656)

Conversions

Conversions Part 1

Format	Color
Hex	5FAE00
RGB	95, 174, 0
RGB Percent	37%, 68%, 0%
CMY	0.6274, 0.3176, 1.0000
CMYK	0.45, 0.00, 1.00, 0.32
HSL	87°, 100%, 34%
HSV	87°, 100%, 68%
XYZ	19.8566, 32.7050, 5.2619
YIQ	130.5430, 8.7700, -70.8620

Conversions

Conversions Part 2

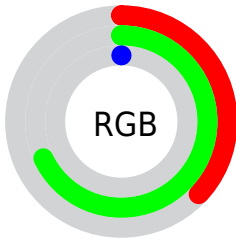
Format	Color
RYB	0, 174, 79
Decimal	6270464
CIELab	63.92, -47.81, 64.95
CIELCh	64, 80.644, 126.356
Yxy	32.7050, 0.3434, 0.5656
Android (android.graphics.Color)	4284460544 (0xFF5FAE00)
YUV	130.5430, -64.3577, -31.1712
Hunter-Lab	57.1883, -38.1017, 34.5765

Details

The Yxy color **32.7050, 0.3434, 0.5656** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.7173, 0.1941, 0.0843**, and the grayscale version is **22.7597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8877, 0.3459, 0.5171**, and **13.9818, 0.3133, 0.5894** is the 20% darker color. If you saturate the color by 10%, you get **32.7067, 0.3434, 0.5656**, and if you desaturate by 10%, it is **33.1932, 0.3478, 0.5544**.

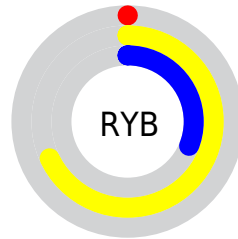
Distribution



Red (37%)

Green (68%)

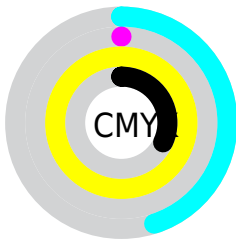
Blue (0%)



Red (0%)

Yellow (68%)

Blue (31%)

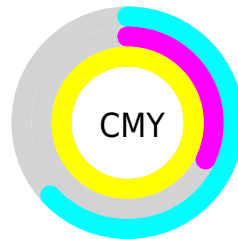


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (63%)


Magenta (32%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7050, 0.3434, 0.5656 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 32.7050, 0.3434, 0.5656 by changing the saturation by 10% instead.


 32.7050, 0.3434,
0.5656


 32.7050, 0.3434,
0.5656


 314.3183, 0.3390,
0.4368

 21.9006, 0.3384,
0.5977


 63.9147, 0.3458,
0.5178

 13.7838, 0.3278,
0.6373


 85.0887, 0.3454,
0.5000


 7.9705, 0.3091,
0.6909


 110.4881, 0.3446,
0.4850

 4.0761, 0.2636,
0.7364

 140.4971, 0.3435,
0.4724

 1.7162, 0.1479,
0.8521

 175.5003, 0.3424,
0.4615

 0.4341, 0.0000,
1.0000


 215.8819, 0.3412,


 0.0000, 0.0000,


0.4521


0.0000


 262.0265, 0.3401,
0.4439


 32.7050, 0.3434,
0.5656


 32.7050, 0.3434,
0.5656


 32.7067, 0.3434,
0.5656

 33.1932, 0.3478,
0.5544

 33.7605, 0.3506,
0.5388

 34.4242, 0.3511,
0.5181

 35.1922, 0.3495,
0.4934

 36.0712, 0.3458,
0.4660

■ 37.0673, 0.3406,
0.4372

■ 38.1860, 0.3344,
0.4083

■ 39.4324, 0.3274,
0.3802

■ 40.8114, 0.3201,
0.3537

Harmonies

Analogous

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



32.7050, 0.4486, 0.5107



32.7050, 0.3434, 0.5656



32.7050, 0.2364, 0.5131

Triad

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



32.7050, 0.3434, 0.5656



32.7050, 0.1251, 0.1769



32.7050, 0.4850, 0.2724

Complementary

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



32.7050, 0.3434, 0.5656



4.7173, 0.1941, 0.0843

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.



32.7050, 0.3583, 0.2104



32.7050, 0.3434, 0.5656



32.7050, 0.1620, 0.1579

Square

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



32.7050, 0.3434, 0.5656



32.7050, 0.1218, 0.2399



32.7050, 0.2391, 0.1703



32.7050, 0.5504, 0.3449

Rectangle

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



32.7050, 0.3434, 0.5656



32.7050, 0.1783, 0.4167



32.7050, 0.2391, 0.1703



32.7050, 0.4462, 0.2500

Sweetspot

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



32.7067, 0.3434, 0.5656



69.1514, 0.3347, 0.4098



14.4904, 0.5546, 0.3978



15.1782, 0.3374, 0.4217



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.7067, 0.3434, 0.5656



59.1914, 0.3422, 0.5665



30.3287, 0.3011, 0.5991



9.1467, 0.3196, 0.3519



23.7577, 0.3441, 0.5650



0.6929, 0.3668, 0.5470

Inverse Universe

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



4.7173, 0.1941, 0.0843



8.4274, 0.1924, 0.0833



11.0877, 0.3085, 0.1473



7.9285, 0.3054, 0.3061



3.4558, 0.1952, 0.0849



0.1289, 0.2311, 0.1047

Previews

White Background



This preview shows how the Yxy color 32.7050, 0.3434, 0.5656 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 32.7050, 0.3434, 0.5656 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 32.7050, 0.3434, 0.5656

Background



This preview shows how black text looks on a background with the Yxy color 32.7050, 0.3434, 0.5656.



This preview shows how white text looks on a background with the Yxy color 32.7050, 0.3434, 0.5656.

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

32.7050, 0.3434, 0.5656

Deuteranopia

32.1485, 0.4621, 0.4525

Tritanopia

32.6488, 0.2631, 0.3083

Trichromacy



Original Color

32.7050, 0.3434, 0.5656

Deuteranomaly

31.1040, 0.4173, 0.4967

Tritanomaly

31.6083, 0.3056, 0.4257

Monochromacy



Original Color

32.7050, 0.3434, 0.5656

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

25.3435, 0.3424, 0.4457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7050, 0.3434, 0.5656 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(95, 174, 0)` looks like.

```
.text, #text, p{  
  color:rgb(95, 174, 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(95, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 174, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.7050, 0.3434, 0.5656 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(95, 174, 0) }
```

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

```
.border{ border-color:rgb(95, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 174, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 32.7050, 0.3434, 0.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 174, 0) }
```

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

```
.background{ background-color: rgb(95, 174,  
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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