

Converting Colors

$Y_{xy}(32.8000, 0.3331, 0.5571)$

Have a look what the booklet for
Yxy(32.8000, 0.3331, 0.5571)
contains.

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Color

Yxy(32.8725, 0.3333, 0.5570)

Conversions

Conversions Part 1

Format	Color
Hex	59AF1D
RGB	89, 175, 29
RGB Percent	35%, 69%, 11%
CMY	0.6511, 0.3137, 0.8860
CMYK	0.49, 0.00, 0.83, 0.31
HSL	95°, 72%, 40%
HSV	95°, 83%, 69%
XYZ	19.6704, 32.8725, 6.4742
YIQ	132.6420, -4.3900, -63.6380

Conversions

Conversions Part 2

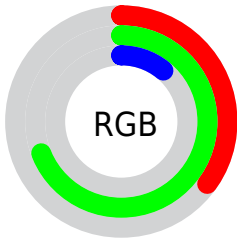
Format	Color
RYB	29, 175, 115
Decimal	5877533
CIELab	64.06, -49.32, 59.97
CIELCh	64, 77.647, 129.437
Yxy	32.8725, 0.3333, 0.5570
Android (android.graphics.Color)	4284067613 (0xFF59AF1D)
YUV	132.6420, -51.0955, -38.2740
Hunter-Lab	57.3345, -39.0955, 33.4392

Details

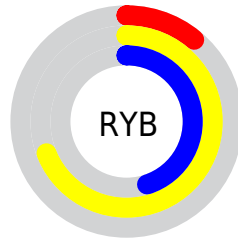
The Yxy color **32.8725, 0.3333, 0.5570** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.6282, 0.2380, 0.1190**, and the grayscale version is **23.5098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0595, 0.3368, 0.5092**, and **14.0896, 0.3074, 0.5941** is the 20% darker color. If you saturate the color by 10%, you get **32.3354, 0.3289, 0.5721**, and if you desaturate by 10%, it is **33.5331, 0.3359, 0.5361**.

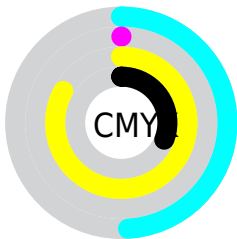
Distribution



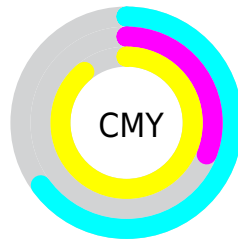
- Red (35%)
- Green (69%)
- Blue (11%)



- Red (11%)
- Yellow (69%)
- Blue (45%)



- Cyan (49%)
- Magenta (0%)
- Yellow (83%)
- Black (31%)




- Cyan (65%)
- Magenta (31%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8725, 0.3333, 0.5570 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 32.8725, 0.3333, 0.5570 by changing the saturation by 10% instead.


 32.8725, 0.3333,
0.5570


 32.8725, 0.3333,
0.5570


315.0748, 0.3325,
0.4312


 22.0288, 0.3283,
0.5897


 64.1764, 0.3364,
0.5095


 13.8781, 0.3180,
0.6308


 85.4054, 0.3365,
0.4921


 8.0359, 0.3038,
0.6962


 110.8650, 0.3361,
0.4776

 4.1179, 0.2573,
0.7427

 140.9395, 0.3355,
0.4653

 1.7397, 0.1365,
0.8635

 176.0133, 0.3348,
0.4549

 0.4492, 0.0000,
1.0000

 216.4709, 0.3340,

 0.0000, 0.0000,

0.4459

0.0000

262.6966, 0.3333,
0.4380

■ 32.8725, 0.3333,
0.5570

■ 32.8725, 0.3333,
0.5570

■ 32.3354, 0.3289,
0.5721

■ 33.5331, 0.3359,
0.5361

■ 32.0340, 0.3256,
0.5797

■ 34.3230, 0.3366,
0.5103

■ 35.2525, 0.3356,
0.4814

■ 36.3292, 0.3330,
0.4509

■ 37.5603, 0.3292,
0.4202

■ 38.9524, 0.3247,
0.3906

■ 40.5117, 0.3197,
0.3628

■ 42.2440, 0.3145,
0.3372

■ 44.1548, 0.3093,
0.3139

Harmonies

Analogous

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



32.8725, 0.4365, 0.5141



32.8725, 0.3333, 0.5570



32.8725, 0.2303, 0.4926

Triad

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



32.8725, 0.3333, 0.5570



32.8725, 0.1322, 0.1780



32.8725, 0.4887, 0.2818

Complementary

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



32.8725, 0.3333, 0.5570



7.6282, 0.2380, 0.1190

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.



32.8725, 0.3701, 0.2195



32.8725, 0.3333, 0.5570



32.8725, 0.1722, 0.1625

Square

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



32.8725, 0.3333, 0.5570



32.8725, 0.1259, 0.2348



32.8725, 0.2519, 0.1775



32.8725, 0.5439, 0.3538

Rectangle

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



32.8725, 0.3333, 0.5570



32.8725, 0.1760, 0.3979



32.8725, 0.2519, 0.1775



32.8725, 0.4533, 0.2595

Sweetspot

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



32.8739, 0.3333, 0.5570



69.2251, 0.3257, 0.3965



21.2825, 0.4863, 0.4322



15.1925, 0.3272, 0.4067



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.



32.8739, 0.3333, 0.5570



57.2468, 0.3244, 0.5806



31.0860, 0.2975, 0.5694



9.0939, 0.3176, 0.3520



22.9731, 0.3264, 0.5790



0.6716, 0.3521, 0.5586

Inverse Universe

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



7.6282, 0.2380, 0.1190



10.5936, 0.2197, 0.0984



12.6351, 0.3383, 0.1729



7.9817, 0.3075, 0.3062



4.3249, 0.2223, 0.0998



0.1513, 0.2525, 0.1165

Previews

White Background



This preview shows how the Yxy color 32.8725, 0.3333, 0.5570 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 32.8725, 0.3333, 0.5570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

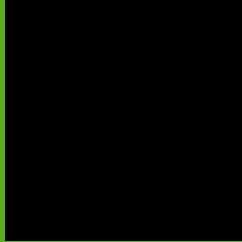
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8725, 0.3333, 0.5570

Background



This preview shows how black text looks on a background with the Yxy color 32.8725, 0.3333, 0.5570.



This preview shows how white text looks on a background with the Yxy color 32.8725, 0.3333, 0.5570.

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

32.8725, 0.3333, 0.5570

Protanopia

32.5032, 0.4354, 0.4824

Deuteranopia

32.2166, 0.4572, 0.4463



Tritanopia

32.7737, 0.2597, 0.3082

Trichromacy



Original Color

32.8725, 0.3333, 0.5570

Protanomaly

31.7505, 0.3943, 0.5126

Deuteranomaly

31.3283, 0.4080, 0.4891

Tritanomaly

32.0105, 0.2931, 0.4062

Monochromacy



Original Color

32.8725, 0.3333, 0.5570

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.7879, 0.3303, 0.4260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8725, 0.3333, 0.5570 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(89, 175, 29)` looks like.

```
.text, #text, p{  
    color:rgb(89, 175, 29)  
}
```

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(89, 175, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 175, 29) }
```

Border

The CSS property to change the border of an element to Yxy 32.8725, 0.3333, 0.5570 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(89, 175, 29) }
```

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

```
.border{ border-color:rgb(89, 175, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 175, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 175, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 175, 29);  
box-shadow:4px 4px 4px 4px rgb(89, 175,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8725, 0.3333, 0.5570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 175, 29) }
```

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

```
.background{ background-color: rgb(89, 175,  
29) }
```

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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