

Converting Colors

$Y_{xy}(32.7079, 0.3304, 0.5758)$

Have a look what the booklet for
Yxy(32.7079, 0.3304, 0.5758)
contains.

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Color

Yxy(32.7129, 0.3302, 0.5760)

Conversions

Conversions Part 1

Format	Color
Hex	4FB000
RGB	79, 176, 0
RGB Percent	31%, 69%, 0%
CMY	0.6900, 0.3098, 0.9997
CMYK	0.55, 0.00, 1.00, 0.31
HSL	93°, 100%, 35%
HSV	93°, 100%, 69%
XYZ	18.7531, 32.7129, 5.3272
YIQ	126.9330, -1.3160, -75.3000

Conversions

Conversions Part 2

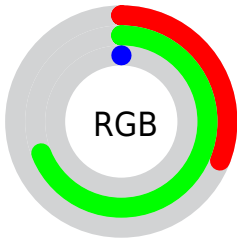
Format	Color
RYB	0, 176, 97
Decimal	5222400
CIELab	63.93, -53.43, 64.66
CIELCh	64, 83.880, 129.571
Yxy	32.7129, 0.3302, 0.5760
Android (android.graphics.Color)	4283412480 (0xFF4FB000)
YUV	126.9330, -62.5780, -42.0372
Hunter-Lab	57.1952, -41.5651, 34.5143

Details

The Yxy color **32.7129, 0.3302, 0.5760** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.6779, 0.2130, 0.0947**, and the grayscale version is **21.4262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6383, 0.3352, 0.5248**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7126, 0.3302, 0.5760**, and if you desaturate by 10%, it is **33.2037, 0.3352, 0.5641**.

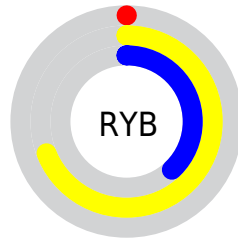
Distribution



Red (31%)

Green (69%)

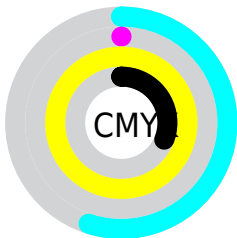
Blue (0%)



Red (0%)

Yellow (69%)

Blue (38%)

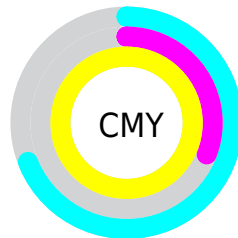


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (69%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7129, 0.3302, 0.5760 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 32.7129, 0.3302, 0.5760 by changing the saturation by 10% instead.


 32.7129, 0.3302,
0.5760


 32.7129, 0.3302,
0.5760


314.3541, 0.3332,
0.4400

 21.9066, 0.3232,
0.6106


 63.9270, 0.3355,
0.5251


 13.7883, 0.3099,
0.6534


 85.1037, 0.3361,
0.5063

 7.9736, 0.2876,
0.7124


 110.5058, 0.3361,
0.4905

 4.0780, 0.2376,
0.7624

 140.5180, 0.3357,
0.4772

 1.7173, 0.0858,
0.9142

 175.5245, 0.3352,
0.4658

 0.4348, 0.0000,
1.0000

 215.9097, 0.3346,

 0.0000, 0.0000,

0.4560

0.0000

262.0581, 0.3339,
0.4475

32.7129, 0.3302,
0.5760

32.7129, 0.3302,
0.5760

32.7126, 0.3302,
0.5760

33.2037, 0.3352,
0.5641

33.7943, 0.3388,
0.5473

34.5028, 0.3404,
0.5251

35.3384, 0.3401,
0.4987

36.3091, 0.3379,
0.4697

■ 37.4220, 0.3343,
0.4395

■ 38.6837, 0.3296,
0.4095

■ 40.1004, 0.3242,
0.3807

■ 41.6776, 0.3185,
0.3537

Harmonies

Analogous

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



32.7129, 0.4398, 0.5238



32.7129, 0.3302, 0.5760



32.7129, 0.2220, 0.5079

Triad

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



32.7129, 0.3302, 0.5760



32.7129, 0.1225, 0.1682



32.7129, 0.5030, 0.2775

Complementary

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



32.7129, 0.3302, 0.5760



5.6779, 0.2130, 0.0947

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.



32.7129, 0.3745, 0.2127



32.7129, 0.3302, 0.5760



32.7129, 0.1639, 0.1531

Square

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



32.7129, 0.3302, 0.5760



32.7129, 0.1153, 0.2263



32.7129, 0.2475, 0.1690



32.7129, 0.5602, 0.3518

Rectangle

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



32.7129, 0.3302, 0.5760



32.7129, 0.1656, 0.4023



32.7129, 0.2475, 0.1690



32.7129, 0.4649, 0.2544

Sweetspot

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



32.7143, 0.3302, 0.5760



70.0258, 0.3299, 0.4111



17.7476, 0.5256, 0.4209



14.9660, 0.3319, 0.4234



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.



32.7143, 0.3302, 0.5760



59.2014, 0.3290, 0.5770



31.0696, 0.2991, 0.5966



9.6706, 0.3182, 0.3521



24.0364, 0.3309, 0.5754



0.7911, 0.3539, 0.5572

Inverse Universe

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



5.6779, 0.2130, 0.0947



10.1562, 0.2113, 0.0938



12.0287, 0.3338, 0.1613



8.4532, 0.3068, 0.3061



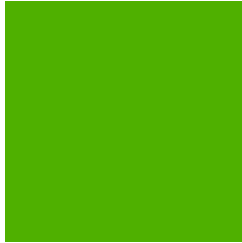
4.1991, 0.2140, 0.0953



0.1661, 0.2435, 0.1115

Previews

White Background



This preview shows how the Yxy color 32.7129, 0.3302, 0.5760 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 32.7129, 0.3302, 0.5760 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 32.7129, 0.3302, 0.5760

Background



This preview shows how black text looks on a background with the Yxy color 32.7129, 0.3302, 0.5760.



This preview shows how white text looks on a background with the Yxy color 32.7129, 0.3302, 0.5760.

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

32.7129, 0.3302, 0.5760

Protanopia

32.1099, 0.4410, 0.4881

Deuteranopia

32.1545, 0.4617, 0.4520



Tritanopia

32.7285, 0.2545, 0.3080

Trichromacy



Original Color

32.7129, 0.3302, 0.5760

Protanomaly

31.3296, 0.3948, 0.5248

Deuteranomaly

30.8512, 0.4094, 0.5020

Tritanomaly

31.6843, 0.2944, 0.4277

Monochromacy



Original Color

32.7129, 0.3302, 0.5760

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

24.1599, 0.3360, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7129, 0.3302, 0.5760 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(79, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 176, 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(79, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.7129, 0.3302, 0.5760 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(79, 176, 0) }
```

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

```
.border{ border-color:rgb(79, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 176, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.7129, 0.3302, 0.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 176, 0) }
```

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

```
.background{ background-color: rgb(79, 176,  
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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