

Converting Colors

$Y_{xy}(32.7774, 0.2719, 0.4990)$

Have a look what the booklet for
Yxy(32.7774, 0.2719, 0.4990)
contains.

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Color

Yxy(32.9784, 0.2721, 0.4994)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B35A |
| RGB | 0, 179, 90 |
| RGB Percent | 0%, 70%, 35% |
| CMY | 0.9986, 0.2980, 0.6471 |
| CMYK | 1.00, 0.00, 0.50, 0.30 |
| HSL | 150°, 100%, 35% |
| HSV | 150°, 100%, 70% |
| XYZ | 17.9684, 32.9784, 15.0892 |
| YIQ | 115.3330, -78.1150, -65.6270 |

Conversions

Conversions Part 2

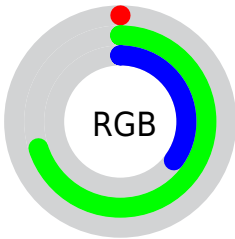
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 119, 179 |
| Decimal | 45914 |
| CIELab | 64.14, -58.48, 34.68 |
| CIELCh | 64, 67.992, 149.332 |
| Yxy | 32.9784, 0.2721, 0.4994 |
| Android (android.graphics.Color) | 4278235994 (0xFF00B35A) |
| YUV | 115.3330, -12.4892, -101.1470 |
| Hunter-Lab | 57.4268, -44.6457, 24.6200 |

Details

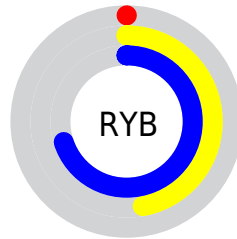
The Yxy color **32.9784, 0.2721, 0.4994** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.3182, 0.4957, 0.2506**, and the grayscale version is **17.3400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3236, 0.2826, 0.4603**, and **14.8273, 0.2852, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **32.9746, 0.2722, 0.4997**, and if you desaturate by 10%, it is **33.2696, 0.2694, 0.4814**.

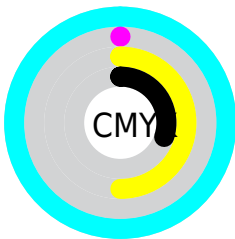
Distribution



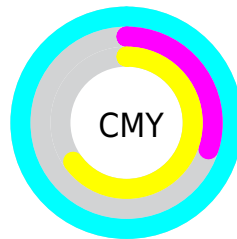
- Red (0%)
- Green (70%)
- Blue (35%)



- Red (0%)
- Yellow (47%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9784, 0.2721, 0.4994 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 32.9784, 0.2721, 0.4994 by changing the saturation by 10% instead.

 32.9784, 0.2721,
0.4994

 32.9784, 0.2721,
0.4994


 315.5524, 0.2978,
0.4020


 22.1099, 0.2634,
0.5280

 64.3418, 0.2830,
0.4609

 13.9377, 0.2505,
0.5674


 85.6055, 0.2866,
0.4474

 8.0773, 0.2302,
0.6239

 111.1030, 0.2895,
0.4363

 4.1445, 0.1980,
0.7179

 141.2188, 0.2918,
0.4271

 1.7547, 0.0334,
0.9666

 176.3373, 0.2937,
0.4194

 0.4587, 0.0000,
1.0000

 216.8428, 0.2953,

 0.0000, 0.0000,

0.4128

0.0000

263.1197, 0.2966,
0.4070

■ 32.9784, 0.2721,
0.4994

■ 32.9784, 0.2721,
0.4994

■ 32.9746, 0.2722,
0.4997

■ 33.2696, 0.2694,
0.4814

■ 33.6962, 0.2683,
0.4625

■ 34.3034, 0.2692,
0.4431

■ 35.1128, 0.2719,
0.4238

■ 36.1429, 0.2764,
0.4050

■ 37.4100, 0.2821,
0.3871

■ 38.9289, 0.2890,
0.3704

■ 40.7129, 0.2966,
0.3551

■ 42.7747, 0.3046,
0.3412

Harmonies

Analogous

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



32.9784, 0.3683, 0.5252



32.9784, 0.2721, 0.4994



32.9784, 0.1922, 0.3902

Triad

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



32.9784, 0.2721, 0.4994



32.9784, 0.1698, 0.1798



32.9784, 0.5087, 0.3328

Complementary

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



32.9784, 0.2721, 0.4994



10.3182, 0.4957, 0.2506

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.



32.9784, 0.4360, 0.2676



32.9784, 0.2721, 0.4994



32.9784, 0.2307, 0.1842

Square

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



32.9784, 0.2721, 0.4994



32.9784, 0.1432, 0.2070



32.9784, 0.3267, 0.2150



32.9784, 0.5116, 0.4040

Rectangle

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



32.9784, 0.2721, 0.4994



32.9784, 0.1591, 0.3100



32.9784, 0.3267, 0.2150



32.9784, 0.4916, 0.3102

Sweetspot

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



32.9797, 0.2721, 0.4994



69.5165, 0.2885, 0.3715



34.3975, 0.3369, 0.5706



15.1407, 0.2855, 0.3784



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.9797, 0.2721, 0.4994



59.0126, 0.2729, 0.5026



35.4963, 0.2247, 0.3287



9.5589, 0.3050, 0.3406



23.3151, 0.2716, 0.4977



0.7454, 0.2573, 0.4463

Inverse Universe

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



10.3182, 0.4957, 0.2506



18.4160, 0.4998, 0.2527



9.5918, 0.6397, 0.3300



8.5735, 0.3212, 0.3177



7.2972, 0.4936, 0.2493



0.2414, 0.4332, 0.2160

Previews

White Background



This preview shows how the Yxy color 32.9784, 0.2721, 0.4994 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 32.9784, 0.2721, 0.4994 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 32.9784, 0.2721, 0.4994

Background



This preview shows how black text looks on a background with the Yxy color 32.9784, 0.2721, 0.4994.



This preview shows how white text looks on a background with the Yxy color 32.9784, 0.2721, 0.4994.

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

32.9784, 0.2721, 0.4994

Protanopia

32.2513, 0.3985, 0.4340

Deuteranopia

32.1884, 0.4055, 0.3968



Tritanopia

32.9823, 0.2331, 0.3074

Trichromacy



Original Color

32.9784, 0.2721, 0.4994



Protanomaly

30.0226, 0.3263, 0.4692



Deuteranomaly

29.4740, 0.3285, 0.4414



Tritanomaly

32.5707, 0.2441, 0.3721

Monochromacy



Original Color

32.9784, 0.2721, 0.4994



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.6340, 0.2780, 0.3973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9784, 0.2721, 0.4994 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(0, 179, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 90)  
}
```

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(0, 179, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 90) }
```

Border

The CSS property to change the border of an element to Yxy 32.9784, 0.2721, 0.4994 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(0, 179, 90) }
```

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

```
.border{ border-color:rgb(0, 179, 90) }
```

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

Here you see how a box with a 4 pixel rgb(0, 179, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.9784, 0.2721, 0.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 90) }
```

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

```
.background{ background-color: rgb(0, 179,  
90) }
```

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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