

Converting Colors

$Y_{xy}(28.9496, 0.2219, 0.6615)$

Have a look what the booklet for
Yxy(28.9496, 0.2219, 0.6615)
contains.

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Color

Yxy(32.2424, 0.2999, 0.5996)

Conversions

Conversions Part 1

Format	Color
Hex	00B301
RGB	0, 179, 1
RGB Percent	0%, 70%, 0%
CMY	0.9997, 0.2980, 0.9957
CMYK	1.00, 0.00, 0.99, 0.30
HSL	120°, 100%, 35%
HSV	120°, 100%, 70%
XYZ	16.1266, 32.2424, 5.4042
YIQ	105.1870, -49.5460, -93.3060

Conversions

Conversions Part 2

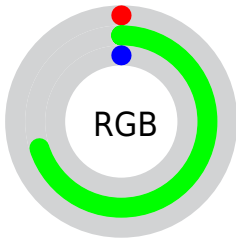
Format	Color
RYB	0, 178, 179
Decimal	45825
CIELab	63.54, -66.05, 63.64
CIELCh	64, 91.725, 136.065
Yxy	32.2424, 0.2999, 0.5996
Android (android.graphics.Color)	4278235905 (0xFF00B301)
YUV	105.1870, -51.3642, -92.2490
Hunter-Lab	56.7824, -48.6740, 34.1048

Details

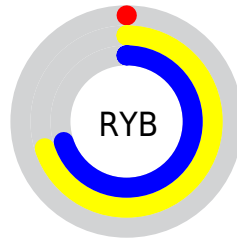
The Yxy color **32.2424, 0.2999, 0.5996** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.7993, 0.3223, 0.1549**, and the grayscale version is **14.3417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1094, 0.3118, 0.5415**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.2431, 0.2999, 0.5996**, and if you desaturate by 10%, it is **32.4159, 0.3003, 0.5904**.

Distribution



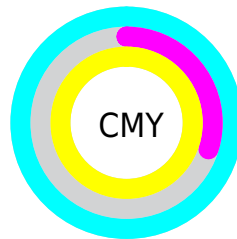
- Red (0%)
- Green (70%)
- Blue (0%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (30%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2424, 0.2999, 0.5996 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 32.2424, 0.2999, 0.5996 by changing the saturation by 10% instead.


 32.2424, 0.2999,
0.5996


 32.2424, 0.2999,
0.5996

312.2220, 0.3198,
0.4471


 21.5467, 0.2882,
0.6398


 63.1909, 0.3117,
0.5415

 13.5242, 0.2688,
0.6904


 84.2125, 0.3146,
0.5203


 7.7905, 0.2385,
0.7615


 109.4449, 0.3166,
0.5027

 3.9612, 0.1792,
0.8208

 139.2724, 0.3179,
0.4879

 1.6519, 0.0000,
1.0000

 174.0795, 0.3187,
0.4754


 0.3922, 0.0000,
1.0000


 214.2505, 0.3193,


 0.0000, 0.0000,


0.4646


0.0000

 260.1699, 0.3196,
0.4553


 32.2424, 0.2999,
0.5996

 32.2424, 0.2999,
0.5996


 32.2431, 0.2999,
0.5996

 32.4159, 0.3003,
0.5904

 32.7453, 0.3010,
0.5739

 33.2898, 0.3021,
0.5493

 34.0777, 0.3035,
0.5184

 35.1328, 0.3051,
0.4840

■ 36.4763, 0.3068,
0.4487

■ 38.1272, 0.3085,
0.4144

■ 40.1028, 0.3100,
0.3827

■ 42.4191, 0.3115,
0.3541

Harmonies

Analogous

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



32.2424, 0.4182, 0.5542



32.2424, 0.2999, 0.5996



32.2424, 0.1901, 0.4930

Triad

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



32.2424, 0.2999, 0.5996



32.2424, 0.1168, 0.1501



32.2424, 0.5430, 0.2876

Complementary

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



32.2424, 0.2999, 0.5996



12.7993, 0.3223, 0.1549

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.



32.2424, 0.4126, 0.2172



32.2424, 0.2999, 0.5996



32.2424, 0.1681, 0.1428

Square

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



32.2424, 0.2999, 0.5996



32.2424, 0.1016, 0.1978



32.2424, 0.2674, 0.1659



32.2424, 0.5790, 0.3655

Rectangle

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



32.2424, 0.2999, 0.5996



32.2424, 0.1386, 0.3687



32.2424, 0.2674, 0.1659



32.2424, 0.5072, 0.2630

Sweetspot

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



32.2437, 0.2999, 0.5996



68.1067, 0.3084, 0.4163



41.8249, 0.4193, 0.5052



14.8036, 0.3077, 0.4303



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.



32.2437, 0.2999, 0.5996



57.7443, 0.2999, 0.5997



32.9717, 0.2723, 0.5003



9.4908, 0.3115, 0.3524



22.7844, 0.2999, 0.5995



0.7171, 0.2993, 0.5976

Inverse Universe

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



12.7993, 0.3223, 0.1549



22.9186, 0.3224, 0.1549



10.3158, 0.4953, 0.2503



8.6459, 0.3139, 0.3067



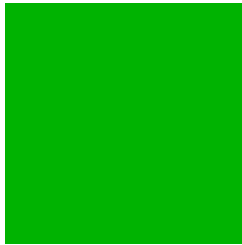
9.0436, 0.3223, 0.1549



0.2848, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 32.2424, 0.2999, 0.5996 looks on a white background.

Color Contrast Check

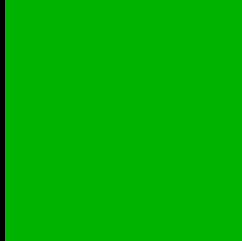
Large Text (above 18pt) WCAG AA × Fail

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 32.2424, 0.2999, 0.5996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

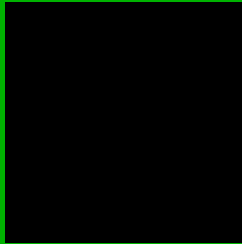
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2424, 0.2999, 0.5996

Background



This preview shows how black text looks on a background with the Yxy color 32.2424, 0.2999, 0.5996.



This preview shows how white text looks on a background with the Yxy color 32.2424, 0.2999, 0.5996.

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

32.2424, 0.2999, 0.5996

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

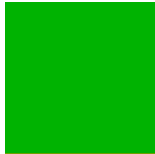
31.6037, 0.4594, 0.4505



Tritanopia

32.0636, 0.2362, 0.3057

Trichromacy



Original Color

32.2424, 0.2999, 0.5996



Protanomaly

29.0919, 0.3633, 0.5497



Deuteranomaly

28.3217, 0.3759, 0.5255



Tritanomaly

30.9920, 0.2656, 0.4360

Monochromacy



Original Color

32.2424, 0.2999, 0.5996



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

18.1011, 0.3057, 0.4779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2424, 0.2999, 0.5996 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 1) }
```

Border

The CSS property to change the border of an element to Yxy 32.2424, 0.2999, 0.5996 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, 1) }
```

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

```
.border{ border-color:rgb(0, 179, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 179, 1); box-shadow:4px  
4px 4px 4px rgb(0, 179, 1) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2424, 0.2999, 0.5996 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, 1) }
```

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

```
.background{ background-color: rgb(0, 179,  
1) }
```

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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