

Converting Colors

$Y_{xy}(32.1945, 0.3030, 0.5977)$

Have a look what the booklet for
Yxy(32.1945, 0.3030, 0.5977)
contains.

Yxy(32.3996, 0.3030, 0.5976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3996, 0.3030, 0.5976)

Conversions

Conversions Part 1

Format	Color
Hex	15B300
RGB	21, 179, 0
RGB Percent	8%, 70%, 0%
CMY	0.9182, 0.2980, 0.9998
CMYK	0.88, 0.00, 1.00, 0.30
HSL	113°, 100%, 35%
HSV	113°, 100%, 70%
XYZ	16.4275, 32.3996, 5.3891
YIQ	111.3520, -36.7090, -89.1650

Conversions

Conversions Part 2

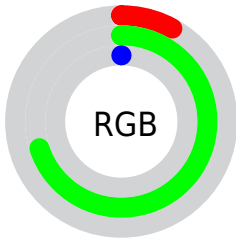
Format	Color
RYB	0, 179, 158
Decimal	1422080
CIELab	63.67, -64.90, 63.93
CIELCh	64, 91.101, 135.429
Yxy	32.3996, 0.3030, 0.5976
Android (android.graphics.Color)	4279612160 (0xFF15B300)
YUV	111.3520, -54.8965, -79.2387
Hunter-Lab	56.9206, -48.0954, 34.2310

Details

The Yxy color **32.3996, 0.3030, 0.5976** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **10.5449, 0.2918, 0.1381**, and the grayscale version is **16.1664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3963, 0.3142, 0.5399**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.4003, 0.3030, 0.5976**, and if you desaturate by 10%, it is **32.6739, 0.3052, 0.5873**.

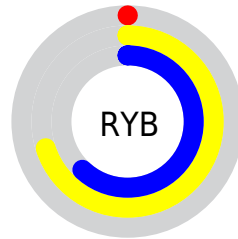
Distribution



Red (8%)

Green (70%)

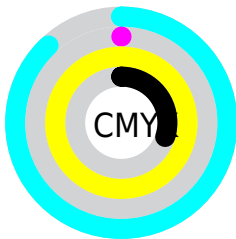
Blue (0%)



Red (0%)

Yellow (70%)

Blue (62%)

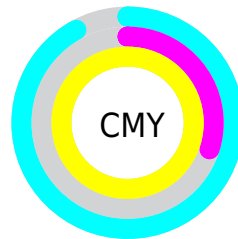


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (92%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3996, 0.3030, 0.5976 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 32.3996, 0.3030, 0.5976 by changing the saturation by 10% instead.


 32.3996, 0.3030,
0.5976


 32.3996, 0.3030,
0.5976


312.9356, 0.3213,
0.4467


 21.6669, 0.2918,
0.6372


 63.4370, 0.3141,
0.5402


 13.6123, 0.2729,
0.6870


 84.5105, 0.3169,
0.5192


 7.8515, 0.2434,
0.7566

 109.7997, 0.3186,
0.5018

 4.0001, 0.1850,
0.8150

 139.6891, 0.3197,
0.4872

 1.6736, 0.0000,
1.0000

 174.5629, 0.3205,
0.4747


 0.4065, 0.0000,
1.0000

 214.8057, 0.3209,


 0.0000, 0.0000,

0.4640

0.0000


 260.8018, 0.3211,
0.4548

 32.3996, 0.3030,
0.5976

 32.3996, 0.3030,
0.5976


 32.4003, 0.3030,
0.5976

 32.6739, 0.3052,
0.5873

 33.1129, 0.3077,
0.5699

 33.7476, 0.3100,
0.5452

 34.5978, 0.3118,
0.5149

 35.6808, 0.3130,
0.4814

■ 37.0122, 0.3137,
0.4470

■ 38.6062, 0.3139,
0.4136

■ 40.4759, 0.3138,
0.3824

■ 42.6336, 0.3133,
0.3541

Harmonies

Analogous

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



32.3996, 0.4206, 0.5512



32.3996, 0.3030, 0.5976



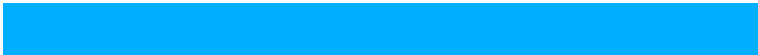
32.3996, 0.1932, 0.4951

Triad

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



32.3996, 0.3030, 0.5976



32.3996, 0.1172, 0.1517



32.3996, 0.5392, 0.2865

Complementary

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



32.3996, 0.3030, 0.5976



10.5449, 0.2918, 0.1381

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.



32.3996, 0.4087, 0.2166



32.3996, 0.3030, 0.5976



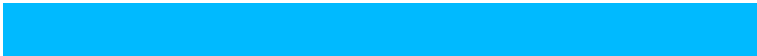
32.3996, 0.1675, 0.1436

Square

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



32.3996, 0.3030, 0.5976



32.3996, 0.1027, 0.2005



32.3996, 0.2652, 0.1660



32.3996, 0.5776, 0.3641

Rectangle

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



32.3996, 0.3030, 0.5976



32.3996, 0.1410, 0.3723



32.3996, 0.2652, 0.1660



32.3996, 0.5031, 0.2620

Sweetspot

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



32.4009, 0.3030, 0.5976



68.9710, 0.3139, 0.4154



34.0824, 0.4414, 0.4877



15.0063, 0.3139, 0.4291



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.



32.4009, 0.3030, 0.5976



57.9743, 0.3025, 0.5980



32.6686, 0.2825, 0.5371



9.5359, 0.3133, 0.3524



22.9091, 0.3034, 0.5973



0.7360, 0.3157, 0.5875

Inverse Universe

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



10.5449, 0.2918, 0.1381



18.8168, 0.2913, 0.1379



10.7205, 0.4468, 0.2235



8.5956, 0.3120, 0.3064



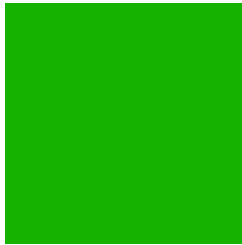
7.4678, 0.2922, 0.1383



0.2491, 0.3007, 0.1430

Previews

White Background



This preview shows how the Yxy color 32.3996, 0.3030, 0.5976 looks on a white background.

Color Contrast Check

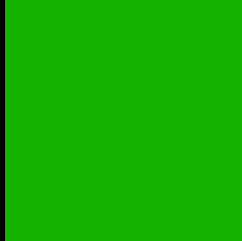
Large Text (above 18pt) WCAG AA × Fail

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 32.3996, 0.3030, 0.5976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

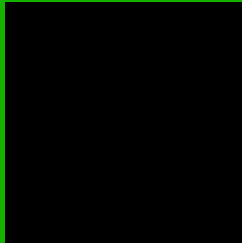
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3996, 0.3030, 0.5976

Background



This preview shows how black text looks on a background with the Yxy color 32.3996, 0.3030, 0.5976.



This preview shows how white text looks on a background with the Yxy color 32.3996, 0.3030, 0.5976.

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

32.3996, 0.3030, 0.5976

Protanopia

31.6667, 0.4411, 0.4880

Deuteranopia

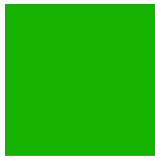
31.6037, 0.4594, 0.4505



Tritanopia

32.1455, 0.2371, 0.3057

Trichromacy



Original Color

32.3996, 0.3030, 0.5976



Protanomaly

29.6922, 0.3725, 0.5424



Deuteranomaly

28.9300, 0.3846, 0.5190



Tritanomaly

31.2335, 0.2694, 0.4350

Monochromacy



Original Color

32.3996, 0.3030, 0.5976



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

19.6830, 0.3127, 0.4705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3996, 0.3030, 0.5976 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(21, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 179, 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(21, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.3996, 0.3030, 0.5976 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(21, 179, 0) }
```

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

```
.border{ border-color:rgb(21, 179, 0) }
```

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

Here you see how a box with a 4 pixel rgb(21, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 179, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.3996, 0.3030, 0.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 179, 0) }
```

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

```
.background{ background-color: rgb(21, 179,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor