

Converting Colors

$Y_{xy}(32.1368, 0.3019, 0.5985)$

Have a look what the booklet for
Yxy(32.1368, 0.3019, 0.5985)
contains.

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Color

Yxy(31.9423, 0.3020, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	0FB200
RGB	15, 178, 0
RGB Percent	6%, 70%, 0%
CMY	0.9402, 0.3020, 0.9998
CMYK	0.91, 0.00, 1.00, 0.30
HSL	115°, 100%, 35%
HSV	115°, 100%, 70%
XYZ	16.1206, 31.9423, 5.3166
YIQ	108.9710, -40.0100, -89.9140

Conversions

Conversions Part 2

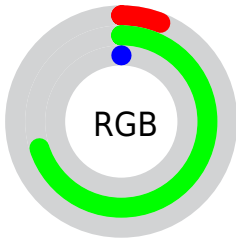
Format	Color
RYB	0, 178, 163
Decimal	1028608
CIELab	63.30, -65.02, 63.62
CIELCh	63, 90.964, 135.626
Yxy	31.9423, 0.3020, 0.5984
Android (android.graphics.Color)	4279218688 (0xFF0FB200)
YUV	108.9710, -53.7227, -82.4126
Hunter-Lab	56.5175, -47.9917, 33.9849

Details

The Yxy color **31.9423, 0.3020, 0.5984** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **10.9790, 0.2996, 0.1424**, and the grayscale version is **15.4723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7052, 0.3133, 0.5401**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.9432, 0.3020, 0.5984**, and if you desaturate by 10%, it is **32.1826, 0.3037, 0.5884**.

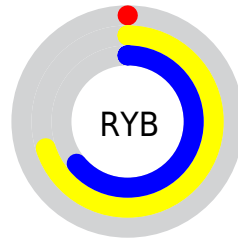
Distribution



Red (6%)

Green (70%)

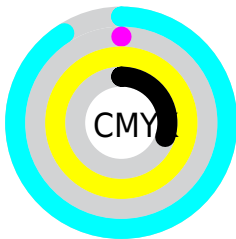
Blue (0%)



Red (0%)

Yellow (70%)

Blue (64%)

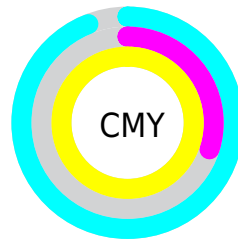


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (94%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9423, 0.3020, 0.5984 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 31.9423, 0.3020, 0.5984 by changing the saturation by 10% instead.

 31.9423, 0.3020,
0.5984


 31.9423, 0.3020,
0.5984


310.8563, 0.3208,
0.4466


 21.3174, 0.2905,
0.6384


 62.7206, 0.3134,
0.5405

 13.3562, 0.2714,
0.6888


 83.6429, 0.3162,
0.5194


 7.6743, 0.2411,
0.7589


 108.7664, 0.3180,
0.5019

 3.8873, 0.1819,
0.8181

 138.4755, 0.3192,
0.4872

 1.6107, 0.0000,
1.0000

 173.1547, 0.3199,
0.4747

 0.3648, 0.0000,
1.0000

 213.1883, 0.3204,


 0.0000, 0.0000,

0.4640


0.0000

 258.9607, 0.3207,
0.4547


 31.9423, 0.3020,
0.5984


 31.9423, 0.3020,
0.5984


 31.9432, 0.3020,
0.5984

 32.1826, 0.3037,
0.5884

 32.5889, 0.3058,
0.5713

 33.1940, 0.3078,
0.5466

 34.0194, 0.3095,
0.5161

 35.0838, 0.3109,
0.4823

■ 36.4038, 0.3119,
0.4476

■ 37.9944, 0.3125,
0.4140

■ 39.8697, 0.3128,
0.3826

■ 42.0426, 0.3129,
0.3542

Harmonies

Analogous

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



31.9423, 0.4199, 0.5522



31.9423, 0.3020, 0.5984



31.9423, 0.1922, 0.4945

Triad

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



31.9423, 0.3020, 0.5984



31.9423, 0.1170, 0.1511



31.9423, 0.5405, 0.2868

Complementary

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



31.9423, 0.3020, 0.5984



10.9790, 0.2996, 0.1424

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.



31.9423, 0.4099, 0.2167



31.9423, 0.3020, 0.5984



31.9423, 0.1676, 0.1433

Square

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



31.9423, 0.3020, 0.5984



31.9423, 0.1023, 0.1996



31.9423, 0.2659, 0.1659



31.9423, 0.5782, 0.3645

Rectangle

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



31.9423, 0.3020, 0.5984



31.9423, 0.1402, 0.3712



31.9423, 0.2659, 0.1659



31.9423, 0.5045, 0.2623

Sweetspot

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



31.9436, 0.3020, 0.5984



68.7328, 0.3125, 0.4157



34.6765, 0.4380, 0.4904



14.9502, 0.3123, 0.4296



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.



31.9436, 0.3020, 0.5984



57.8884, 0.3016, 0.5988



32.2979, 0.2812, 0.5321



9.5237, 0.3128, 0.3524



22.8686, 0.3023, 0.5982



0.7309, 0.3117, 0.5907

Inverse Universe

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



10.9790, 0.2996, 0.1424



19.8577, 0.2992, 0.1422



10.5233, 0.4535, 0.2272



8.6091, 0.3124, 0.3065



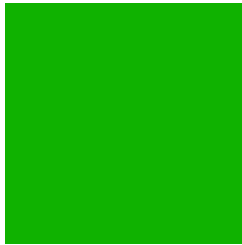
7.8685, 0.2998, 0.1425



0.2583, 0.3061, 0.1460

Previews

White Background



This preview shows how the Yxy color 31.9423, 0.3020, 0.5984 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 31.9423, 0.3020, 0.5984 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 31.9423, 0.3020, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 31.9423, 0.3020, 0.5984.



This preview shows how white text looks on a background with the Yxy color 31.9423, 0.3020, 0.5984.

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

31.9423, 0.3020, 0.5984

Protanopia

31.2271, 0.4412, 0.4879

Deuteranopia

31.1694, 0.4596, 0.4501



Tritanopia

31.7014, 0.2369, 0.3056

Trichromacy



Original Color

31.9423, 0.3020, 0.5984



Protanomaly

29.1346, 0.3702, 0.5443



Deuteranomaly

28.3591, 0.3821, 0.5206



Tritanomaly

30.7486, 0.2684, 0.4359

Monochromacy



Original Color

31.9423, 0.3020, 0.5984



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.9757, 0.3117, 0.4731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9423, 0.3020, 0.5984 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(15, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 178, 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(15, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.9423, 0.3020, 0.5984 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(15, 178, 0) }
```

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

```
.border{ border-color:rgb(15, 178, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 178, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.9423, 0.3020, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 178, 0) }
```

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

```
.background{ background-color: rgb(15, 178,  
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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