

Converting Colors

$Y_{xy}(37.5173, 0.3024, 0.5981)$

Have a look what the booklet for
Yxy(37.5173, 0.3024, 0.5981)
contains.

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Color

Yxy(37.4103, 0.3025, 0.5981)

Conversions

Conversions Part 1

Format	Color
Hex	14BF00
RGB	20, 191, 0
RGB Percent	8%, 75%, 0%
CMY	0.9209, 0.2510, 1.0000
CMYK	0.89, 0.00, 1.00, 0.25
HSL	114°, 100%, 37%
HSV	114°, 100%, 75%
XYZ	18.9209, 37.4103, 6.2173
YIQ	118.0970, -40.6050, -95.6530

Conversions

Conversions Part 2

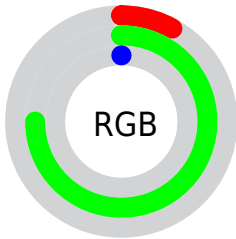
Format	Color
RYB	0, 191, 171
Decimal	1359616
CIELab	67.58, -68.33, 67.09
CIELCh	68, 95.761, 135.522
Yxy	37.4103, 0.3025, 0.5981
Android (android.graphics.Color)	4279549696 (0xFF14BF00)
YUV	118.0970, -58.2218, -86.0311
Hunter-Lab	61.1640, -51.8183, 36.7879

Details

The Yxy color **37.4103, 0.3025, 0.5981** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **12.4001, 0.2944, 0.1395**, and the grayscale version is **18.3618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3800, 0.3133, 0.5423**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4123, 0.3025, 0.5980**, and if you desaturate by 10%, it is **37.7072, 0.3046, 0.5883**.

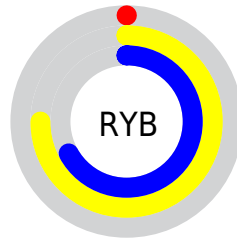
Distribution



Red (8%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (67%)

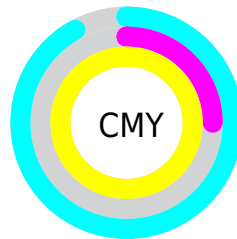


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (92%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4103, 0.3025, 0.5981 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 37.4103, 0.3025, 0.5981 by changing the saturation by 10% instead.


 37.4103, 0.3025,
0.5981


 37.4103, 0.3025,
0.5981

335.0835, 0.3210,
0.4501

 25.5253, 0.2918,
0.6358


 71.2034, 0.3134,
0.5428


 16.4689, 0.2743,
0.6823


 93.8803, 0.3162,
0.5222

 9.8565, 0.2492,
0.7508


 120.9233, 0.3180,
0.5051

 5.3039, 0.1967,
0.8033

 152.7168, 0.3192,
0.4906

 2.4267, 0.0698,
0.9302

 189.6451, 0.3200,
0.4783

 0.8396, 0.0000,
1.0000

 232.0928, 0.3205,

 0.0000, 0.0000,

0.4676

0.0000

280.4441, 0.3208,
0.4583

■ 37.4103, 0.3025,
0.5981

■ 37.4103, 0.3025,
0.5981

■ 37.4123, 0.3025,
0.5980

■ 37.7072, 0.3046,
0.5883

■ 38.1967, 0.3070,
0.5713

■ 38.9157, 0.3091,
0.5467

■ 39.8885, 0.3109,
0.5163

■ 41.1360, 0.3122,
0.4826

■ 42.6770, 0.3131,
0.4480

■ 44.5286, 0.3134,
0.4143

■ 46.7066, 0.3134,
0.3829

■ 49.2257, 0.3132,
0.3543

Harmonies

Analogous

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



37.4103, 0.4203, 0.5517



37.4103, 0.3025, 0.5981



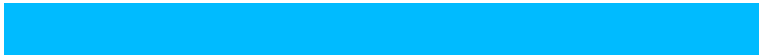
37.4103, 0.1927, 0.4949

Triad

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



37.4103, 0.3025, 0.5981



37.4103, 0.1171, 0.1514



37.4103, 0.5399, 0.2866

Complementary

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



37.4103, 0.3025, 0.5981



12.4001, 0.2944, 0.1395

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.



37.4103, 0.4093, 0.2166



37.4103, 0.3025, 0.5981



37.4103, 0.1675, 0.1434

Square

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



37.4103, 0.3025, 0.5981



37.4103, 0.1024, 0.2000



37.4103, 0.2655, 0.1659



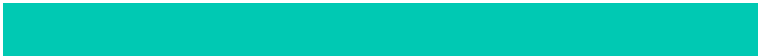
37.4103, 0.5780, 0.3643

Rectangle

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



37.4103, 0.3025, 0.5981



37.4103, 0.1406, 0.3718



37.4103, 0.2655, 0.1659



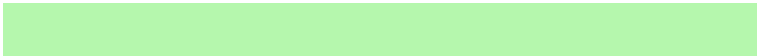
37.4103, 0.5038, 0.2621

Sweetspot

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



37.4123, 0.3025, 0.5980



79.5802, 0.3134, 0.4159



39.3471, 0.4415, 0.4877



17.1515, 0.3133, 0.4301



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.4123, 0.3025, 0.5980



66.9571, 0.3020, 0.5984



37.7457, 0.2828, 0.5379



10.6966, 0.3131, 0.3526



24.6043, 0.3029, 0.5977



0.9801, 0.3129, 0.5897

Inverse Universe

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



12.4001, 0.2944, 0.1395



22.1445, 0.2940, 0.1393



12.3793, 0.4476, 0.2239



9.6437, 0.3121, 0.3063



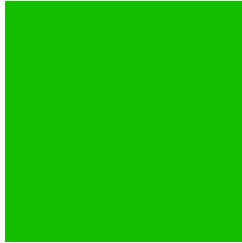
8.1700, 0.2948, 0.1397



0.3349, 0.3014, 0.1434

Previews

White Background



This preview shows how the Yxy color 37.4103, 0.3025, 0.5981 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 37.4103, 0.3025, 0.5981 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 37.4103, 0.3025, 0.5981

Background



This preview shows how black text looks on a background with the Yxy color 37.4103, 0.3025, 0.5981.



This preview shows how white text looks on a background with the Yxy color 37.4103, 0.3025, 0.5981.

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

37.4103, 0.3025, 0.5981

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

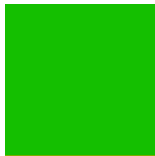
36.5819, 0.4601, 0.4512



Tritanopia

37.4404, 0.2371, 0.3071

Trichromacy



Original Color

37.4103, 0.3025, 0.5981



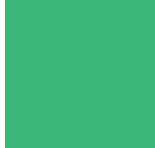
Protanomaly

34.5572, 0.3696, 0.5447



Deuteranomaly

33.4831, 0.3837, 0.5208



Tritanomaly

36.2328, 0.2695, 0.4377

Monochromacy



Original Color

37.4103, 0.3025, 0.5981



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.5526, 0.3122, 0.4733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4103, 0.3025, 0.5981 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(20, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 191, 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(20, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.4103, 0.3025, 0.5981 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(20, 191, 0) }
```

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

```
.border{ border-color:rgb(20, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(20, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4103, 0.3025, 0.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 191, 0) }
```

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

```
.background{ background-color: rgb(20, 191,  
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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