

Converting Colors

$Y_{xy}(37.3888, 0.2993, 0.5974)$

Have a look what the booklet for
Yxy(37.3888, 0.2993, 0.5974)
contains.

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Color

$\text{Yxy}(37.2791, 0.2993, 0.5975)$

Conversions

Conversions Part 1

Format	Color
Hex	00BF08
RGB	0, 191, 8
RGB Percent	0%, 75%, 3%
CMY	1.0000, 0.2510, 0.9689
CMYK	1.00, 0.00, 0.96, 0.25
HSL	122°, 100%, 37%
HSV	122°, 100%, 75%
XYZ	18.6739, 37.2791, 6.4388
YIQ	113.0290, -55.0930, -97.4050

Conversions

Conversions Part 2

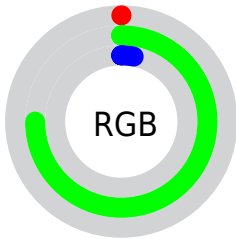
Format	Color
RYB	0, 183, 191
Decimal	48904
CIELab	67.49, -69.18, 66.02
CIELCh	67, 95.630, 136.339
Yxy	37.2791, 0.2993, 0.5975
Android (android.graphics.Color)	4278238984 (0xFF00BF08)
YUV	113.0290, -51.7793, -99.1264
Hunter-Lab	61.0566, -52.2557, 36.4871

Details

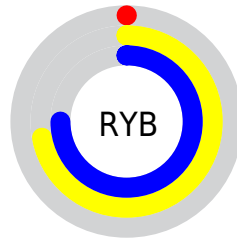
The Yxy color **37.2791, 0.2993, 0.5975** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **14.4985, 0.3316, 0.1600**, and the grayscale version is **16.6904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1121, 0.3104, 0.5420**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.2809, 0.2993, 0.5975**, and if you desaturate by 10%, it is **37.4787, 0.2993, 0.5875**.

Distribution



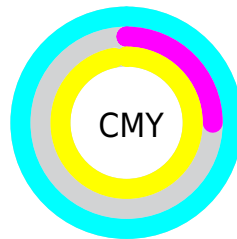
- Red (0%)
- Green (75%)
- Blue (3%)



- Red (0%)
- Yellow (72%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2791, 0.2993, 0.5975 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 37.2791, 0.2993, 0.5975 by changing the saturation by 10% instead.


 37.2791, 0.2993,
0.5975


 37.2791, 0.2993,
0.5975


334.5173, 0.3192,
0.4493


 25.4237, 0.2884,
0.6356


 71.0018, 0.3106,
0.5419


 16.3930, 0.2707,
0.6828


 93.6379, 0.3136,
0.5213

 9.8027, 0.2458,
0.7542


 120.6363, 0.3156,
0.5042

 5.2683, 0.1927,
0.8073

 152.3815, 0.3169,
0.4897

 2.4055, 0.0591,
0.9409

 189.2578, 0.3178,
0.4773

 0.8287, 0.0000,
1.0000

 231.6496, 0.3185,

 0.0000, 0.0000,

0.4667

0.0000

279.9413, 0.3189,
0.4574

■ 37.2791, 0.2993,
0.5975

■ 37.2791, 0.2993,
0.5975

■ 37.2809, 0.2993,
0.5975

■ 37.4787, 0.2993,
0.5875

■ 37.8655, 0.2995,
0.5697

■ 38.4996, 0.3002,
0.5444

■ 39.4131, 0.3014,
0.5135

■ 40.6333, 0.3031,
0.4796

■ 42.1842, 0.3050,
0.4451

■ 44.0875, 0.3070,
0.4118

■ 46.3629, 0.3090,
0.3811

■ 49.0288, 0.3109,
0.3534

Harmonies

Analogous

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



37.2791, 0.4172, 0.5541



37.2791, 0.2993, 0.5975



37.2791, 0.1901, 0.4901

Triad

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



37.2791, 0.2993, 0.5975



37.2791, 0.1179, 0.1507



37.2791, 0.5424, 0.2887

Complementary

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



37.2791, 0.2993, 0.5975



14.4985, 0.3316, 0.1600

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.



37.2791, 0.4134, 0.2184



37.2791, 0.2993, 0.5975



37.2791, 0.1695, 0.1437

Square

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



37.2791, 0.2993, 0.5975



37.2791, 0.1024, 0.1980



37.2791, 0.2689, 0.1669



37.2791, 0.5775, 0.3666

Rectangle

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



37.2791, 0.2993, 0.5975



37.2791, 0.1390, 0.3669



37.2791, 0.2689, 0.1669



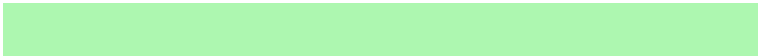
37.2791, 0.5071, 0.2641

Sweetspot

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



37.2809, 0.2993, 0.5975



78.7803, 0.3069, 0.4133



47.5328, 0.4135, 0.5099



16.9654, 0.3060, 0.4273



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.



37.2809, 0.2993, 0.5975



66.7583, 0.2995, 0.5982



38.2202, 0.2694, 0.4897



10.6559, 0.3110, 0.3517



24.5023, 0.2991, 0.5968



0.9620, 0.2958, 0.5847

Inverse Universe

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



14.4985, 0.3316, 0.1600



25.9561, 0.3318, 0.1601



11.8005, 0.5106, 0.2586



9.6892, 0.3144, 0.3073



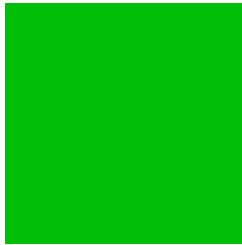
9.5308, 0.3315, 0.1600



0.3755, 0.3287, 0.1585

Previews

White Background



This preview shows how the Yxy color 37.2791, 0.2993, 0.5975 looks on a white background.

Color Contrast Check

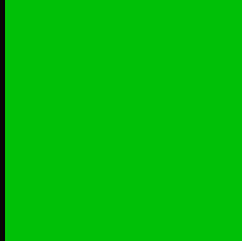
Large Text (above 18pt) WCAG AA × Fail

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 37.2791, 0.2993, 0.5975 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

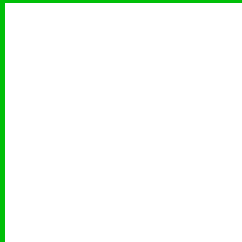
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2791, 0.2993, 0.5975

Background



This preview shows how black text looks on a background with the Yxy color 37.2791, 0.2993, 0.5975.



This preview shows how white text looks on a background with the Yxy color 37.2791, 0.2993, 0.5975.

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

37.2791, 0.2993, 0.5975

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

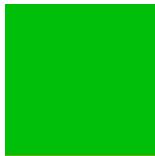
36.5890, 0.4596, 0.4507



Tritanopia

37.3520, 0.2363, 0.3070

Trichromacy



Original Color

37.2791, 0.2993, 0.5975



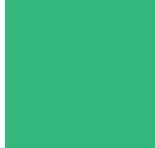
Protanomaly

34.0606, 0.3626, 0.5491



Deuteranomaly

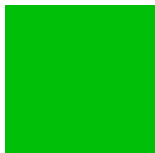
32.8448, 0.3744, 0.5245



Tritanomaly

36.0514, 0.2643, 0.4330

Monochromacy



Original Color

37.2791, 0.2993, 0.5975



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

20.9355, 0.3034, 0.4716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2791, 0.2993, 0.5975 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, 191, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 8)  
}
```

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, 191, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 8) }
```

Border

The CSS property to change the border of an element to Yxy 37.2791, 0.2993, 0.5975 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, 191, 8) }
```

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

```
.border{ border-color:rgb(0, 191, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 191, 8); box-shadow:4px  
4px 4px 4px rgb(0, 191, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2791, 0.2993, 0.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 8) }
```

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

```
.background{ background-color: rgb(0, 191,  
8) }
```

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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