

Converting Colors

$Y_{xy}(34.7462, 0.2990, 0.5935)$

Have a look what the booklet for
Yxy(34.7462, 0.2990, 0.5935)
contains.

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Color

Yxy(34.7741, 0.2991, 0.5937)

Conversions

Conversions Part 1

Format	Color
Hex	06B910
RGB	6, 185, 16
RGB Percent	2%, 73%, 6%
CMY	0.9760, 0.2745, 0.9372
CMYK	0.97, 0.00, 0.91, 0.27
HSL	123°, 94%, 37%
HSV	123°, 97%, 73%
XYZ	17.5188, 34.7741, 6.2789
YIQ	112.2130, -52.4350, -90.5070

Conversions

Conversions Part 2

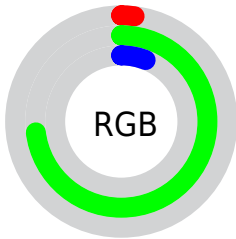
Format	Color
RYB	6, 176, 185
Decimal	440592
CIELab	65.57, -67.05, 63.37
CIELCh	66, 92.263, 136.617
Yxy	34.7741, 0.2991, 0.5937
Android (android.graphics.Color)	4278630672 (0xFF06B910)
YUV	112.2130, -47.4330, -93.1488
Hunter-Lab	58.9696, -50.1675, 34.9657

Details

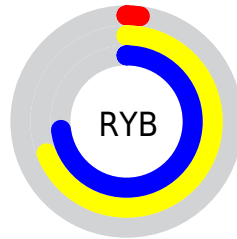
The Yxy color **34.7741, 0.2991, 0.5937** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.5475, 0.3347, 0.1629**, and the grayscale version is **16.4359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8802, 0.3107, 0.5377**, and **15.9653, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.7209, 0.2990, 0.5965**, and if you desaturate by 10%, it is **35.0131, 0.2988, 0.5805**.

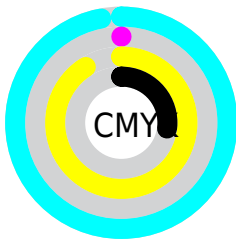
Distribution



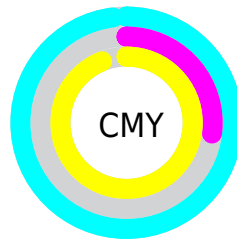
- Red (2%)
- Green (73%)
- Blue (6%)



- Red (2%)
- Yellow (69%)
- Blue (73%)



- Cyan (97%)
- Magenta (0%)
- Yellow (91%)
- Black (27%)




- Cyan (98%)
- Magenta (27%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7741, 0.2991, 0.5937 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 34.7741, 0.2991, 0.5937 by changing the saturation by 10% instead.


 34.7741, 0.2991,
0.5937


 34.7741, 0.2991,
0.5937


323.5701, 0.3186,
0.4458


 23.4889, 0.2882,
0.6325


 67.1357, 0.3103,
0.5376


 14.9549, 0.2703,
0.6812


 88.9808, 0.3132,
0.5170


 8.7878, 0.2445,
0.7555


 115.1148, 0.3151,
0.5000

 4.6030, 0.1889,
0.8111

 145.9219, 0.3165,
0.4856

 2.0163, 0.0008,
0.9992

 181.7866, 0.3174,
0.4734

 0.6169, 0.0000,
1.0000

 223.0933, 0.3180,

 0.0000, 0.0000,

0.4629

0.0000

270.2263, 0.3184,
0.4538

■ 34.7741, 0.2991,
0.5937

■ 34.7741, 0.2991,
0.5937

■ 34.7209, 0.2990,
0.5965

■ 35.0131, 0.2988,
0.5805

■ 35.4537, 0.2990,
0.5594

■ 36.1337, 0.2998,
0.5318

■ 37.0805, 0.3012,
0.4998

■ 38.3180, 0.3030,
0.4658

■ 39.8673, 0.3050,
0.4320

■ 41.7476, 0.3072,
0.4001

■ 43.9765, 0.3093,
0.3708

■ 46.5705, 0.3114,
0.3447

Harmonies

Analogous

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



34.7741, 0.4160, 0.5531



34.7741, 0.2991, 0.5937



34.7741, 0.1909, 0.4862

Triad

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



34.7741, 0.2991, 0.5937



34.7741, 0.1198, 0.1521



34.7741, 0.5405, 0.2901

Complementary

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



34.7741, 0.2991, 0.5937



13.5475, 0.3347, 0.1629

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.



34.7741, 0.4137, 0.2201



34.7741, 0.2991, 0.5937



34.7741, 0.1715, 0.1453

Square

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



34.7741, 0.2991, 0.5937



34.7741, 0.1041, 0.1988



34.7741, 0.2707, 0.1687



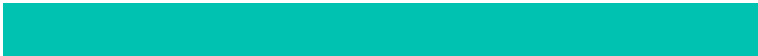
34.7741, 0.5748, 0.3678

Rectangle

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



34.7741, 0.2991, 0.5937



34.7741, 0.1402, 0.3651



34.7741, 0.2707, 0.1687



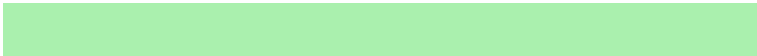
34.7741, 0.5059, 0.2656

Sweetspot

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



34.7755, 0.2991, 0.5937



73.7676, 0.3066, 0.4087



43.9488, 0.4102, 0.5107



15.5949, 0.3057, 0.4223



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.7755, 0.2991, 0.5937



62.1734, 0.2993, 0.5974



35.7480, 0.2668, 0.4780



10.0679, 0.3109, 0.3513



23.6450, 0.2988, 0.5957



0.8363, 0.2941, 0.5789

Inverse Universe

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



13.5475, 0.3347, 0.1629



23.9890, 0.3355, 0.1622



11.1296, 0.5083, 0.2598



9.1539, 0.3146, 0.3077



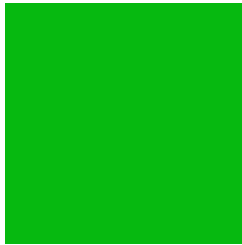
9.1284, 0.3351, 0.1619



0.3244, 0.3311, 0.1597

Previews

White Background



This preview shows how the Yxy color 34.7741, 0.2991, 0.5937 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 34.7741, 0.2991, 0.5937 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 34.7741, 0.2991, 0.5937

Background



This preview shows how black text looks on a background with the Yxy color 34.7741, 0.2991, 0.5937.



This preview shows how white text looks on a background with the Yxy color 34.7741, 0.2991, 0.5937.

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

34.7741, 0.2991, 0.5937

Protanopia

33.9187, 0.4405, 0.4885

Deuteranopia

33.9929, 0.4578, 0.4494



Tritanopia

34.6699, 0.2364, 0.3064

Trichromacy



Original Color

34.7741, 0.2991, 0.5937



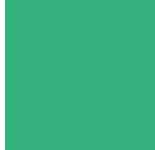
Protanomaly

31.7314, 0.3652, 0.5457



Deuteranomaly

30.8934, 0.3750, 0.5201



Tritanomaly

33.6296, 0.2634, 0.4264

Monochromacy



Original Color

34.7741, 0.2991, 0.5937



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

20.4569, 0.3037, 0.4637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7741, 0.2991, 0.5937 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(6, 185, 16)` looks like.

```
.text, #text, p{  
    color:rgb(6, 185, 16)  
}
```

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(6, 185, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 185, 16) }
```

Border

The CSS property to change the border of an element to Yxy 34.7741, 0.2991, 0.5937 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(6, 185, 16) }
```

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

```
.border{ border-color:rgb(6, 185, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 185, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 185, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 185, 16);  
box-shadow:4px 4px 4px 4px rgb(6, 185, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.7741, 0.2991, 0.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 185, 16) }
```

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

```
.background{ background-color: rgb(6, 185,  
16) }
```

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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