

Converting Colors

$Y_{xy}(33.7922, 0.2731, 0.5030)$

Have a look what the booklet for
Yxy(33.7922, 0.2731, 0.5030)
contains.

| | |
|---|----|
| Yxy(33.7690, 0.2731, 0.5033) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.7690, 0.2731, 0.5033)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B559 |
| RGB | 0, 181, 89 |
| RGB Percent | 0%, 71%, 35% |
| CMY | 1.0000, 0.2902, 0.6510 |
| CMYK | 1.00, 0.00, 0.51, 0.29 |
| HSL | 150°, 100%, 35% |
| HSV | 150°, 100%, 71% |
| XYZ | 18.3237, 33.7690, 15.0025 |
| YIQ | 116.3930, -78.3440, -66.9840 |

Conversions

Conversions Part 2

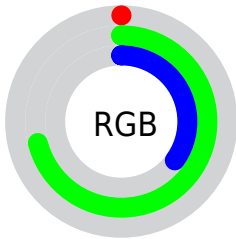
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 121, 181 |
| Decimal | 46425 |
| CIELab | 64.78, -59.34, 35.97 |
| CIELCh | 65, 69.394, 148.775 |
| Yxy | 33.7690, 0.2731, 0.5033 |
| Android (android.graphics.Color) | 4278236505 (0xFF00B559) |
| YUV | 116.3930, -13.5047, -102.0767 |
| Hunter-Lab | 58.1111, -45.4095, 25.3709 |

Details

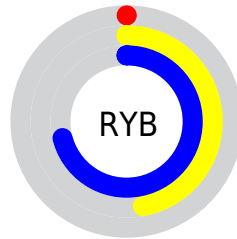
The Yxy color **33.7690, 0.2731, 0.5033** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.5977, 0.4921, 0.2485**, and the grayscale version is **17.6539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5051, 0.2837, 0.4635**, and **15.0749, 0.2860, 0.5497** is the 20% darker color. If you saturate the color by 10%, you get **33.7725, 0.2731, 0.5033**, and if you desaturate by 10%, it is **34.0665, 0.2704, 0.4850**.

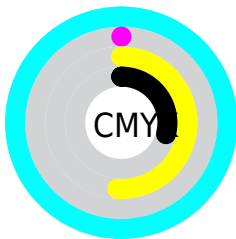
Distribution



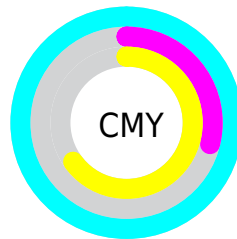
- Red (0%)
- Green (71%)
- Blue (35%)



- Red (0%)
- Yellow (47%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7690, 0.2731, 0.5033 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 33.7690, 0.2731, 0.5033 by changing the saturation by 10% instead.


 33.7690, 0.2731,
0.5033


 33.7690, 0.2731,
0.5033


 319.1008, 0.2984,
0.4040


 22.7162, 0.2644,
0.5323


 65.5743, 0.2839,
0.4641

 14.3841, 0.2516,
0.5720


 87.0956, 0.2875,
0.4503


 8.3883, 0.2314,
0.6287


 112.8751, 0.2903,
0.4391

 4.3444, 0.1995,
0.7221

 143.2973, 0.2925,
0.4297

 1.8680, 0.0539,
0.9461

 178.7466, 0.2944,
0.4218

 0.5290, 0.0000,
1.0000

 219.6073, 0.2960,

 0.0000, 0.0000,

0.4150

0.0000

266.2639, 0.2973,
0.4091

■ 33.7690, 0.2731,
0.5033

■ 33.7690, 0.2731,
0.5033

■ 33.7725, 0.2731,
0.5033

■ 34.0665, 0.2704,
0.4850

■ 34.5000, 0.2692,
0.4658

■ 35.1190, 0.2699,
0.4460

■ 35.9458, 0.2725,
0.4263

■ 36.9997, 0.2768,
0.4070

■ 38.2974, 0.2825,
0.3887

■ 39.8541, 0.2892,
0.3716

■ 41.6838, 0.2967,
0.3559

■ 43.7993, 0.3046,
0.3417

Harmonies

Analogous

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



33.7690, 0.3702, 0.5272



33.7690, 0.2731, 0.5033



33.7690, 0.1919, 0.3933

Triad

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



33.7690, 0.2731, 0.5033



33.7690, 0.1676, 0.1786



33.7690, 0.5103, 0.3312

Complementary

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



33.7690, 0.2731, 0.5033



10.5977, 0.4921, 0.2485

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.



33.7690, 0.4356, 0.2657



33.7690, 0.2731, 0.5033



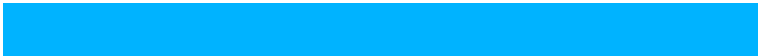
33.7690, 0.2283, 0.1825

Square

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



33.7690, 0.2731, 0.5033



33.7690, 0.1415, 0.2065



33.7690, 0.3247, 0.2131



33.7690, 0.5142, 0.4028

Rectangle

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



33.7690, 0.2731, 0.5033



33.7690, 0.1582, 0.3117



33.7690, 0.3247, 0.2131



33.7690, 0.4926, 0.3086

Sweetspot

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



33.7725, 0.2731, 0.5033



71.2192, 0.2889, 0.3725



35.4057, 0.3390, 0.5690



15.1328, 0.2860, 0.3794



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.



33.7725, 0.2731, 0.5033



60.4337, 0.2739, 0.5061



36.2653, 0.2261, 0.3338



9.5574, 0.3051, 0.3408



23.2936, 0.2725, 0.5011



0.7447, 0.2580, 0.4488

Inverse Universe

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



10.5977, 0.4921, 0.2485



18.9321, 0.4956, 0.2504



9.8314, 0.6383, 0.3290



8.5750, 0.3210, 0.3175



7.3191, 0.4894, 0.2470



0.2420, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 33.7690, 0.2731, 0.5033 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 33.7690, 0.2731, 0.5033 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 33.7690, 0.2731, 0.5033

Background



This preview shows how black text looks on a background with the Yxy color 33.7690, 0.2731, 0.5033.



This preview shows how white text looks on a background with the Yxy color 33.7690, 0.2731, 0.5033.

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

33.7690, 0.2731, 0.5033

Protanopia

33.1268, 0.4001, 0.4367

Deuteranopia

33.1768, 0.4084, 0.3997



Tritanopia

33.8886, 0.2337, 0.3076

Trichromacy



Original Color

33.7690, 0.2731, 0.5033



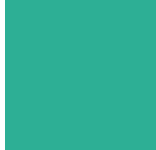
Protanomaly

30.7860, 0.3275, 0.4728



Deuteranomaly

30.2910, 0.3308, 0.4451



Tritanomaly

33.3878, 0.2455, 0.3753

Monochromacy



Original Color

33.7690, 0.2731, 0.5033



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.2526, 0.2792, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7690, 0.2731, 0.5033 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, 181, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 89)  
}
```

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, 181, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 89) }
```

Border

The CSS property to change the border of an element to Yxy 33.7690, 0.2731, 0.5033 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, 181, 89) }
```

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

```
.border{ border-color:rgb(0, 181, 89) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.7690, 0.2731, 0.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 89) }
```

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

```
.background{ background-color: rgb(0, 181,  
89) }
```

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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