

Converting Colors

$Y_{xy}(33.4269, 0.3204, 0.5696)$

Have a look what the booklet for
Yxy(33.4269, 0.3204, 0.5696)
contains.

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Color

Yxy(33.2550, 0.3205, 0.5697)

Conversions

Conversions Part 1

Format	Color
Hex	47B21A
RGB	71, 178, 26
RGB Percent	28%, 70%, 10%
CMY	0.7213, 0.3020, 0.8981
CMYK	0.60, 0.00, 0.85, 0.30
HSL	102°, 75%, 40%
HSV	102°, 85%, 70%
XYZ	18.7085, 33.2550, 6.4093
YIQ	128.6790, -14.9800, -69.9560

Conversions

Conversions Part 2

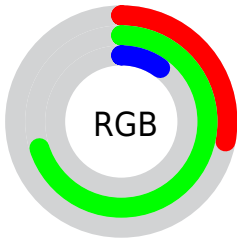
Format	Color
RYB	26, 178, 133
Decimal	4698650
CIELab	64.37, -55.56, 60.76
CIELCh	64, 82.334, 132.438
Yxy	33.2550, 0.3205, 0.5697
Android (android.graphics.Color)	4282888730 (0xFF47B21A)
YUV	128.6790, -50.6207, -50.5845
Hunter-Lab	57.6671, -43.0082, 33.7773

Details

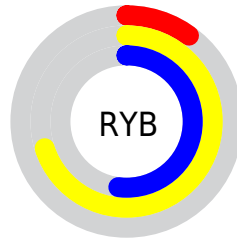
The Yxy color **33.2550, 0.3205, 0.5697** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8.9341, 0.2585, 0.1278**, and the grayscale version is **22.0249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0103, 0.3266, 0.5186**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7737, 0.3160, 0.5838**, and if you desaturate by 10%, it is **33.8859, 0.3238, 0.5490**.

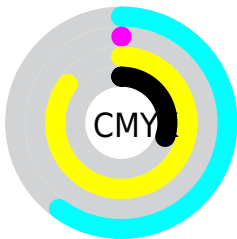
Distribution



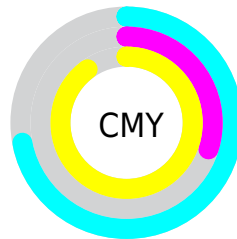
- Red (28%)
- Green (70%)
- Blue (10%)



- Red (10%)
- Yellow (70%)
- Blue (52%)



- Cyan (60%)
- Magenta (0%)
- Yellow (85%)
- Black (30%)




- Cyan (72%)
- Magenta (30%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2550, 0.3205, 0.5697 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 33.2550, 0.3205, 0.5697 by changing the saturation by 10% instead.


 33.2550, 0.3205,
0.5697


 33.2550, 0.3205,
0.5697


316.7972, 0.3272,
0.4359

 22.3219, 0.3133,
0.6048


 64.7734, 0.3266,
0.5190

 14.0936, 0.3001,
0.6490


 86.1275, 0.3277,
0.5004


 8.1858, 0.2814,
0.7186


 111.7241, 0.3282,
0.4850

 4.2141, 0.2306,
0.7694

 141.9475, 0.3283,
0.4720

 1.7940, 0.0797,
0.9203

 177.1821, 0.3282,
0.4610

 0.4834, 0.0000,
1.0000

 217.8123, 0.3279,

 0.0000, 0.0000,

0.4515

0.0000

264.2225, 0.3276,
0.4432

■ 33.2550, 0.3205,
0.5697

■ 33.2550, 0.3205,
0.5697

■ 32.7737, 0.3160,
0.5838

■ 33.8859, 0.3238,
0.5490

■ 32.5907, 0.3140,
0.5889

■ 34.6759, 0.3258,
0.5227

■ 35.6379, 0.3263,
0.4926

■ 36.7825, 0.3255,
0.4606

■ 38.1192, 0.3236,
0.4284

■ 39.6568, 0.3210,
0.3975

■ 41.4034, 0.3179,
0.3686

■ 43.3670, 0.3146,
0.3422

■ 45.5547, 0.3111,
0.3184

Harmonies

Analogous

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



33.2550, 0.4290, 0.5284



33.2550, 0.3205, 0.5697



33.2550, 0.2154, 0.4898

Triad

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



33.2550, 0.3205, 0.5697



33.2550, 0.1279, 0.1682



33.2550, 0.5080, 0.2857

Complementary

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



33.2550, 0.3205, 0.5697



8.9341, 0.2585, 0.1278

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.



33.2550, 0.3864, 0.2203



33.2550, 0.3205, 0.5697



33.2550, 0.1725, 0.1562

Square

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



33.2550, 0.3205, 0.5697



33.2550, 0.1177, 0.2209



33.2550, 0.2593, 0.1746



33.2550, 0.5557, 0.3600

Rectangle

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



33.2550, 0.3205, 0.5697



33.2550, 0.1624, 0.3854



33.2550, 0.2593, 0.1746



33.2550, 0.4728, 0.2625

Sweetspot

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



33.2564, 0.3205, 0.5697



71.6052, 0.3213, 0.4007



26.1498, 0.4661, 0.4539



15.6465, 0.3223, 0.4111



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.



33.2564, 0.3205, 0.5697



58.9991, 0.3130, 0.5897



32.3490, 0.2915, 0.5525



9.6081, 0.3159, 0.3522



23.3485, 0.3147, 0.5883



0.7656, 0.3374, 0.5703

Inverse Universe

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



8.9341, 0.2585, 0.1278



13.6426, 0.2461, 0.1129



12.3287, 0.3680, 0.1887



8.5177, 0.3092, 0.3062



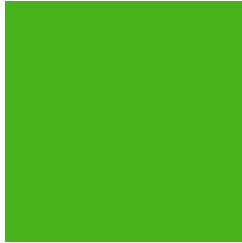
5.4656, 0.2481, 0.1141



0.2004, 0.2693, 0.1257

Previews

White Background



This preview shows how the Yxy color 33.2550, 0.3205, 0.5697 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 33.2550, 0.3205, 0.5697 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 33.2550, 0.3205, 0.5697

Background



This preview shows how black text looks on a background with the Yxy color 33.2550, 0.3205, 0.5697.



This preview shows how white text looks on a background with the Yxy color 33.2550, 0.3205, 0.5697.

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

33.2550, 0.3205, 0.5697

Protanopia

32.6037, 0.4375, 0.4832

Deuteranopia

32.5186, 0.4566, 0.4481



Tritanopia

33.2364, 0.2505, 0.3080

Trichromacy



Original Color

33.2550, 0.3205, 0.5697



Protanomaly

31.5707, 0.3879, 0.5198



Deuteranomaly

30.9769, 0.4003, 0.4969



Tritanomaly

32.3034, 0.2823, 0.4132

Monochromacy



Original Color

33.2550, 0.3205, 0.5697



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.8283, 0.3236, 0.4332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2550, 0.3205, 0.5697 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(71, 178, 26)` looks like.

```
.text, #text, p{  
    color:rgb(71, 178, 26)  
}
```

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(71, 178, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 178, 26) }
```

Border

The CSS property to change the border of an element to Yxy 33.2550, 0.3205, 0.5697 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(71, 178, 26) }
```

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

```
.border{ border-color:rgb(71, 178, 26) }
```

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

Here you see how a box with a 4 pixel rgb(71, 178, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 178, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 178, 26);  
box-shadow:4px 4px 4px 4px rgb(71, 178,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2550, 0.3205, 0.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 178, 26) }
```

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

```
.background{ background-color: rgb(71, 178,  
26) }
```

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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