

Converting Colors

$Y_{xy}(32.5001, 0.2812, 0.5322)$

Have a look what the booklet for
Yxy(32.5001, 0.2812, 0.5322)
contains.

Yxy(32.2957, 0.2813, 0.5325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.2957, 0.2813, 0.5325)

Conversions

Conversions Part 1

Format	Color
Hex	00B247
RGB	0, 178, 71
RGB Percent	0%, 70%, 28%
CMY	0.9986, 0.3020, 0.7216
CMYK	1.00, 0.00, 0.60, 0.30
HSL	144°, 100%, 35%
HSV	144°, 100%, 70%
XYZ	17.0606, 32.2957, 11.2929
YIQ	112.5800, -71.7410, -71.0130

Conversions

Conversions Part 2

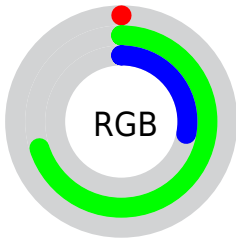
Format	Color
RYB	0, 127, 178
Decimal	45639
CIELab	63.59, -61.00, 43.25
CIELCh	64, 74.775, 144.661
Yxy	32.2957, 0.2813, 0.5325
Android (android.graphics.Color)	4278235719 (0xFF00B247)
YUV	112.5800, -20.4989, -98.7327
Hunter-Lab	56.8293, -45.8641, 27.9987

Details

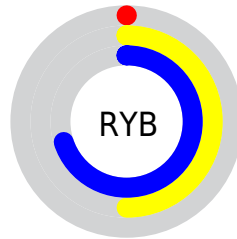
The Yxy color **32.2957, 0.2813, 0.5325** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.5421, 0.4522, 0.2266**, and the grayscale version is **16.4934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2796, 0.2918, 0.4859**, and **14.4558, 0.2959, 0.5853** is the 20% darker color. If you saturate the color by 10%, you get **32.2919, 0.2814, 0.5329**, and if you desaturate by 10%, it is **32.5749, 0.2783, 0.5127**.

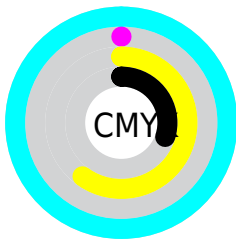
Distribution



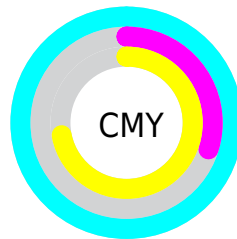
- Red (0%)
- Green (70%)
- Blue (28%)



- Red (0%)
- Yellow (50%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2957, 0.2813, 0.5325 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 32.2957, 0.2813, 0.5325 by changing the saturation by 10% instead.


 32.2957, 0.2813,
0.5325


 32.2957, 0.2813,
0.5325


312.4641, 0.3042,
0.4157

 21.5875, 0.2722,
0.5665


 63.2744, 0.2919,
0.4864


 13.5541, 0.2581,
0.6125


 84.3136, 0.2951,
0.4702

 7.8112, 0.2346,
0.6765


 109.5652, 0.2976,
0.4569

 3.9744, 0.2013,
0.7987

 139.4137, 0.2995,
0.4459

 1.6592, 0.0000,
1.0000

 174.2435, 0.3011,
0.4366

 0.3971, 0.0000,
1.0000

 214.4389, 0.3023,

 0.0000, 0.0000,

0.4286

0.0000

260.3842, 0.3034,
0.4217

■ 32.2957, 0.2813,
0.5325

■ 32.2957, 0.2813,
0.5325

■ 32.2919, 0.2814,
0.5329

■ 32.5749, 0.2783,
0.5127

■ 32.9946, 0.2767,
0.4910

■ 33.6001, 0.2770,
0.4680

■ 34.4131, 0.2790,
0.4447

■ 35.4523, 0.2825,
0.4217

■ 36.7343, 0.2873,
0.3998

■ 38.2739, 0.2931,
0.3794

■ 40.0849, 0.2994,
0.3607

■ 42.1800, 0.3061,
0.3438

Harmonies

Analogous

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



32.2957, 0.3851, 0.5394



32.2957, 0.2813, 0.5325



32.2957, 0.1911, 0.4188

Triad

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



32.2957, 0.2813, 0.5325



32.2957, 0.1517, 0.1698



32.2957, 0.5211, 0.3188

Complementary

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



32.2957, 0.2813, 0.5325



10.5421, 0.4522, 0.2266

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.



32.2957, 0.4309, 0.2515



32.2957, 0.2813, 0.5325



32.2957, 0.2101, 0.1702

Square

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



32.2957, 0.2813, 0.5325



32.2957, 0.1290, 0.2034



32.2957, 0.3087, 0.1988



32.2957, 0.5335, 0.3931

Rectangle

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



32.2957, 0.2813, 0.5325



32.2957, 0.1521, 0.3256



32.2957, 0.3087, 0.1988



32.2957, 0.4985, 0.2954

Sweetspot

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



32.2970, 0.2813, 0.5325



69.1910, 0.2926, 0.3808



35.1496, 0.3540, 0.5570



15.0616, 0.2902, 0.3892



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.



32.2970, 0.2813, 0.5325



58.5186, 0.2822, 0.5359



34.2860, 0.2349, 0.3655



9.5442, 0.3064, 0.3430



23.1175, 0.2808, 0.5308



0.7390, 0.2645, 0.4722

Inverse Universe

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



10.5421, 0.4522, 0.2266



19.0516, 0.4554, 0.2282



9.5271, 0.6249, 0.3218



8.5884, 0.3196, 0.3154



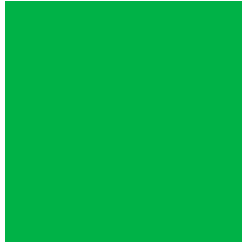
7.5480, 0.4507, 0.2256



0.2486, 0.4057, 0.2008

Previews

White Background



This preview shows how the Yxy color 32.2957, 0.2813, 0.5325 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 32.2957, 0.2813, 0.5325 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 32.2957, 0.2813, 0.5325

Background



This preview shows how black text looks on a background with the Yxy color 32.2957, 0.2813, 0.5325.



This preview shows how white text looks on a background with the Yxy color 32.2957, 0.2813, 0.5325.

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

32.2957, 0.2813, 0.5325

Protanopia

31.6987, 0.4125, 0.4526

Deuteranopia

31.8283, 0.4254, 0.4171



Tritanopia

32.2723, 0.2347, 0.3072

Trichromacy



Original Color

32.2957, 0.2813, 0.5325



Protanomaly

29.4341, 0.3382, 0.4948



Deuteranomaly

28.9826, 0.3449, 0.4691



Tritanomaly

31.5772, 0.2492, 0.3861

Monochromacy



Original Color

32.2957, 0.2813, 0.5325



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

20.1509, 0.2839, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2957, 0.2813, 0.5325 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, 178, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 71)  
}
```

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, 178, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 71) }
```

Border

The CSS property to change the border of an element to Yxy 32.2957, 0.2813, 0.5325 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, 178, 71) }
```

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

```
.border{ border-color:rgb(0, 178, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 178, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.2957, 0.2813, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 71) }
```

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

```
.background{ background-color: rgb(0, 178,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor