

Converting Colors

$Y_{xy}(32.3902, 0.2517, 0.5409)$

Have a look what the booklet for
Yxy(32.3902, 0.2517, 0.5409)
contains.

Yxy(33.9917, 0.2793, 0.5255)	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(33.9917, 0.2793, 0.5255)

Conversions

Conversions Part 1

Format	Color
Hex	00B64D
RGB	0, 182, 77
RGB Percent	0%, 71%, 30%
CMY	1.0000, 0.2863, 0.6981
CMYK	1.00, 0.00, 0.58, 0.29
HSL	145°, 100%, 36%
HSV	145°, 100%, 71%
XYZ	18.0664, 33.9917, 12.6264
YIQ	115.6120, -74.7670, -71.2390

Conversions

Conversions Part 2

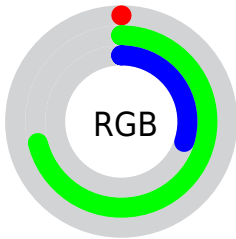
Format	Color
RYB	0, 128, 182
Decimal	46669
CIELab	64.96, -61.46, 42.05
CIELCh	65, 74.471, 145.623
Yxy	33.9917, 0.2793, 0.5255
Android (android.graphics.Color)	4278236749 (0xFF00B64D)
YUV	115.6120, -19.0357, -101.3917
Hunter-Lab	58.3024, -46.7168, 27.9714

Details

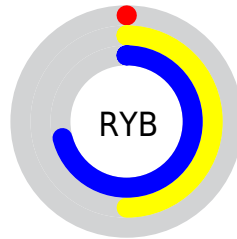
The Yxy color **33.9917, 0.2793, 0.5255** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.9660, 0.4633, 0.2326**, and the grayscale version is **17.4167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8048, 0.2898, 0.4809**, and **15.2489, 0.2934, 0.5761** is the 20% darker color. If you saturate the color by 10%, you get **33.9934, 0.2793, 0.5255**, and if you desaturate by 10%, it is **34.2845, 0.2763, 0.5060**.

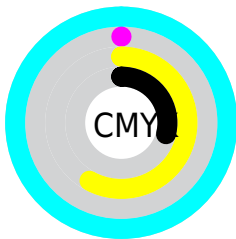
Distribution



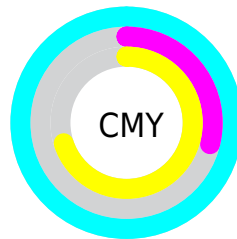
- Red (0%)
- Green (71%)
- Blue (30%)



- Red (0%)
- Yellow (50%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9917, 0.2793, 0.5255 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 33.9917, 0.2793, 0.5255 by changing the saturation by 10% instead.


 33.9917, 0.2793,
0.5255


 33.9917, 0.2793,
0.5255


320.0950, 0.3027,
0.4136

 22.8872, 0.2705,
0.5578


 65.9208, 0.2898,
0.4815


 14.5103, 0.2570,
0.6016


 87.5141, 0.2931,
0.4659

 8.4764, 0.2352,
0.6626


 113.3726, 0.2957,
0.4532

 4.4013, 0.2059,
0.7820

 143.8805, 0.2977,
0.4426

 1.9005, 0.0371,
0.9629

 179.4224, 0.2993,
0.4337

 0.5487, 0.0000,
1.0000

 220.3825, 0.3006,

 0.0000, 0.0000,

0.4260

0.0000

267.1452, 0.3018,
0.4193

■ 33.9917, 0.2793,
0.5255

■ 33.9917, 0.2793,
0.5255

■ 33.9934, 0.2793,
0.5255

■ 34.2845, 0.2763,
0.5060

■ 34.7218, 0.2747,
0.4848

■ 35.3520, 0.2750,
0.4627

■ 36.1983, 0.2772,
0.4402

■ 37.2803, 0.2809,
0.4182

■ 38.6153, 0.2859,
0.3972

■ 40.2190, 0.2919,
0.3777

■ 42.1058, 0.2985,
0.3597

■ 44.2890, 0.3056,
0.3435

Harmonies

Analogous

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



33.9917, 0.3816, 0.5368



33.9917, 0.2793, 0.5255



33.9917, 0.1912, 0.4124

Triad

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



33.9917, 0.2793, 0.5255



33.9917, 0.1555, 0.1718



33.9917, 0.5186, 0.3218

Complementary

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



33.9917, 0.2793, 0.5255



10.9660, 0.4633, 0.2326

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.



33.9917, 0.4322, 0.2549



33.9917, 0.2793, 0.5255



33.9917, 0.2144, 0.1731

Square

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



33.9917, 0.2793, 0.5255



33.9917, 0.1320, 0.2041



33.9917, 0.3127, 0.2022



33.9917, 0.5289, 0.3956

Rectangle

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



33.9917, 0.2793, 0.5255



33.9917, 0.1535, 0.3220



33.9917, 0.3127, 0.2022



33.9917, 0.4972, 0.2986

Sweetspot

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



33.9934, 0.2793, 0.5255



72.7528, 0.2916, 0.3786



36.5324, 0.3487, 0.5613



15.7878, 0.2890, 0.3867



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.



33.9934, 0.2793, 0.5255



61.5814, 0.2801, 0.5285



36.2419, 0.2319, 0.3548



10.1215, 0.3060, 0.3425



24.0171, 0.2787, 0.5233



0.8591, 0.2641, 0.4707

Inverse Universe

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



10.9660, 0.4633, 0.2326



19.8320, 0.4663, 0.2342



9.9806, 0.6308, 0.3249



9.0968, 0.3200, 0.3159



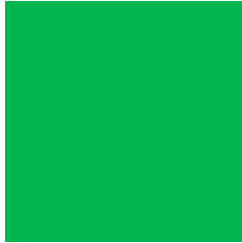
7.7571, 0.4612, 0.2314



0.2855, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 33.9917, 0.2793, 0.5255 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 33.9917, 0.2793, 0.5255 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 33.9917, 0.2793, 0.5255

Background



This preview shows how black text looks on a background with the Yxy color 33.9917, 0.2793, 0.5255.



This preview shows how white text looks on a background with the Yxy color 33.9917, 0.2793, 0.5255.

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

33.9917, 0.2793, 0.5255

Protanopia

33.5423, 0.4099, 0.4495

Deuteranopia

33.2431, 0.4208, 0.4125



Tritanopia

34.0063, 0.2340, 0.3061

Trichromacy



Original Color

33.9917, 0.2793, 0.5255



Protanomaly

31.1198, 0.3364, 0.4901



Deuteranomaly

30.2518, 0.3413, 0.4624



Tritanomaly

33.3161, 0.2475, 0.3810

Monochromacy



Original Color

33.9917, 0.2793, 0.5255



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.1713, 0.2826, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9917, 0.2793, 0.5255 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, 182, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 77)  
}
```

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, 182, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 77) }
```

Border

The CSS property to change the border of an element to Yxy 33.9917, 0.2793, 0.5255 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, 182, 77) }
```

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

```
.border{ border-color:rgb(0, 182, 77) }
```

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

Here you see how a box with a 4 pixel rgb(0, 182, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 182, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.9917, 0.2793, 0.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 77) }
```

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

```
.background{ background-color: rgb(0, 182,  
77) }
```

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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