

Converting Colors

$Y_{xy}(51.1329, 0.2729, 0.5002)$

Have a look what the booklet for
Yxy(51.1329, 0.2729, 0.5002)
contains.

Yxy(51.3202, 0.2731, 0.5007)	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(51.3202, 0.2731, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	09DA6E
RGB	9, 218, 110
RGB Percent	4%, 85%, 43%
CMY	0.9663, 0.1451, 0.5686
CMYK	0.96, 0.00, 0.50, 0.15
HSL	149°, 92%, 44%
HSV	149°, 96%, 85%
XYZ	27.9919, 51.3202, 23.1848
YIQ	143.1970, -89.8960, -77.8960

Conversions

Conversions Part 2

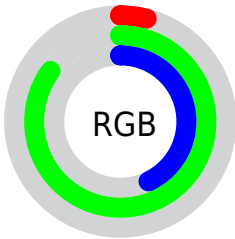
Format	Color
RYB	9, 150, 218
Decimal	645742
CIELab	76.87, -67.65, 40.70
CIELCh	77, 78.949, 148.971
Yxy	51.3202, 0.2731, 0.5007
Android (android.graphics.Color)	4278835822 (0xFF09DA6E)
YUV	143.1970, -16.3661, -117.6908
Hunter-Lab	71.6381, -55.6196, 30.9582

Details

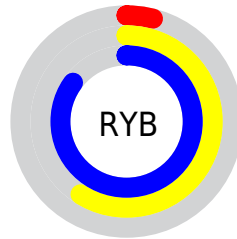
The Yxy color **51.3202, 0.2731, 0.5007** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.3664, 0.4825, 0.2453**, and the grayscale version is **27.5941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2901, 0.2804, 0.4474**, and **25.8055, 0.2835, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **51.1725, 0.2744, 0.5079**, and if you desaturate by 10%, it is **51.8096, 0.2705, 0.4818**.

Distribution



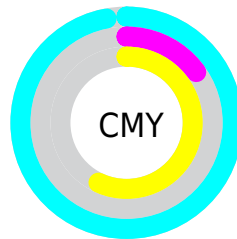
- Red (4%)
- Green (85%)
- Blue (43%)



- Red (4%)
- Yellow (59%)
- Blue (85%)



- Cyan (96%)
- Magenta (0%)
- Yellow (50%)
- Black (15%)





- Cyan (97%)
- Magenta (15%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3202, 0.2731, 0.5007 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 51.3202, 0.2731, 0.5007 by changing the saturation by 10% instead.

 51.3202, 0.2731,
0.5007

 51.3202, 0.2731,
0.5007


391.8066, 0.2969,
0.4089

 36.4635, 0.2658,
0.5251


 92.1279, 0.2827,
0.4662

 24.7924, 0.2557,
0.5569


 118.8477, 0.2861,
0.4535


 15.9224, 0.2409,
0.5999


 150.2907, 0.2888,
0.4430

 9.4693, 0.2181,
0.6600

 186.8412, 0.2910,
0.4341

 5.0485, 0.1834,
0.7575

 228.8836, 0.2928,
0.4264

 2.2758, 0.0516,
0.9484

276.8024, 0.2944,


 0.7608, 0.0000,


0.4198


1.0000

330.9819, 0.2958,
0.4140


 0.0000, 0.0000,
0.0000


 51.3202, 0.2731,
0.5007


 51.3202, 0.2731,
0.5007

 51.1725, 0.2744,
0.5079

 51.8096, 0.2705,
0.4818

 52.5558, 0.2698,
0.4619

 53.6024, 0.2711,
0.4415

 54.9828, 0.2742,
0.4213

 56.7259, 0.2790,
0.4018

■ 58.8574, 0.2851,
0.3834

■ 61.4003, 0.2921,
0.3663

■ 64.3761, 0.2998,
0.3508

■ 67.8045, 0.3078,
0.3367

Harmonies

Analogous

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



51.3202, 0.3695, 0.5254



51.3202, 0.2731, 0.5007



51.3202, 0.1927, 0.3919

Triad

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



51.3202, 0.2731, 0.5007



51.3202, 0.1690, 0.1797



51.3202, 0.5086, 0.3320

Complementary

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



51.3202, 0.2731, 0.5007



16.3664, 0.4825, 0.2453

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.



51.3202, 0.4350, 0.2667



51.3202, 0.2731, 0.5007



51.3202, 0.2296, 0.1837

Square

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



51.3202, 0.2731, 0.5007



51.3202, 0.1429, 0.2073



51.3202, 0.3254, 0.2143



51.3202, 0.5123, 0.4031

Rectangle

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



51.3202, 0.2731, 0.5007



51.3202, 0.1593, 0.3113



51.3202, 0.3254, 0.2143



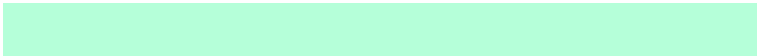
51.3202, 0.4912, 0.3094

Sweetspot

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



51.3223, 0.2731, 0.5007



86.3524, 0.2898, 0.3716



53.9270, 0.3402, 0.5659



18.1509, 0.2868, 0.3790



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.3223, 0.2731, 0.5007



72.9625, 0.2748, 0.5094



55.0772, 0.2264, 0.3336



14.7108, 0.3051, 0.3413



30.6805, 0.2737, 0.5052



2.0050, 0.2652, 0.4747

Inverse Universe

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



16.3664, 0.4825, 0.2453



22.9124, 0.4933, 0.2491



15.1184, 0.6330, 0.3292



13.1631, 0.3211, 0.3170



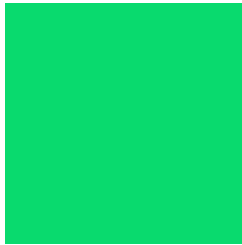
9.6583, 0.4883, 0.2464



0.6431, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 51.3202, 0.2731, 0.5007 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 51.3202, 0.2731, 0.5007 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 51.3202, 0.2731, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 51.3202, 0.2731, 0.5007.

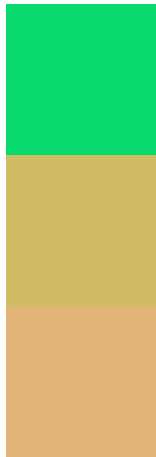


This preview shows how white text looks on a background with the Yxy color 51.3202, 0.2731, 0.5007.

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

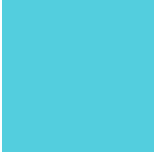
51.3267, 0.2731, 0.5007

Protanopia

50.1519, 0.3985, 0.4343

Deuteranopia

50.3295, 0.4063, 0.3979



Tritanopia

51.2555, 0.2324, 0.3069

Trichromacy



Original Color

51.3267, 0.2731, 0.5007



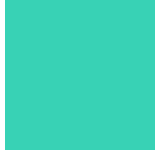
Protanomaly

46.9972, 0.3280, 0.4684



Deuteranomaly

46.1404, 0.3320, 0.4420



Tritanomaly

50.2701, 0.2446, 0.3725

Monochromacy



Original Color

51.3267, 0.2731, 0.5007



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.7678, 0.2801, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3202, 0.2731, 0.5007 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(9, 218, 110)` looks like.

```
.text, #text, p{  
    color:rgb(9, 218, 110)  
}
```

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(9, 218, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 218, 110) }
```

Border

The CSS property to change the border of an element to Yxy 51.3202, 0.2731, 0.5007 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(9, 218, 110) }
```

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

```
.border{ border-color:rgb(9, 218, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 218, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 218, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 218, 110);  
box-shadow:4px 4px 4px 4px rgb(9, 218,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3202, 0.2731, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 218, 110) }
```

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

```
.background{ background-color: rgb(9, 218,  
110) }
```

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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