

Converting Colors

$Yxy(52.1808, 0.2581, 0.4318)$

Have a look what the booklet for
Yxy(52.1808, 0.2581, 0.4318)
contains.

Yxy(52.2991, 0.2585, 0.4328)	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

$\text{Yxy}(52.2991, 0.2585, 0.4328)$

Conversions

Conversions Part 1

Format	Color
Hex	29D996
RGB	41, 217, 150
RGB Percent	16%, 85%, 59%
CMY	0.8386, 0.1490, 0.4118
CMYK	0.81, 0.00, 0.31, 0.15
HSL	157°, 70%, 51%
HSV	157°, 81%, 85%
XYZ	31.2369, 52.2991, 37.3030
YIQ	156.7380, -83.3890, -58.1490

Conversions

Conversions Part 2

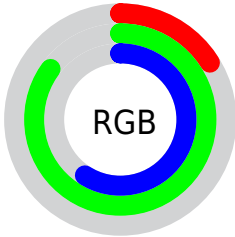
Format	Color
RYB	41, 150, 217
Decimal	2742678
CIELab	77.46, -57.79, 21.19
CIELCh	77, 61.557, 159.863
Yxy	52.2991, 0.2585, 0.4328
Android (android.graphics.Color)	4280932758 (0xFF29D996)
YUV	156.7380, -3.3218, -101.5022
Hunter-Lab	72.3181, -49.4560, 20.0398

Details

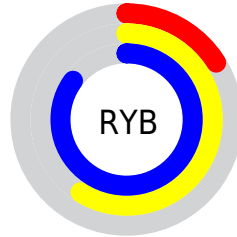
The Yxy color **52.2991, 0.2585, 0.4328** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.4342, 0.4908, 0.2663**, and the grayscale version is **33.6579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6615, 0.2656, 0.3918**, and **26.3906, 0.2608, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **51.7126, 0.2592, 0.4475**, and if you desaturate by 10%, it is **53.1544, 0.2598, 0.4179**.

Distribution



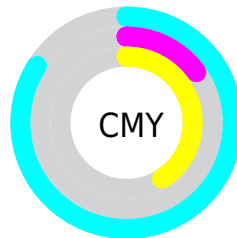
- Red (16%)
- Green (85%)
- Blue (59%)



- Red (16%)
- Yellow (59%)
- Blue (85%)



- Cyan (81%)
- Magenta (0%)
- Yellow (31%)
- Black (15%)





- Cyan (84%)
- Magenta (15%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2991, 0.2585, 0.4328 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 52.2991, 0.2585, 0.4328 by changing the saturation by 10% instead.


 52.2991, 0.2585,
0.4328


 52.2991, 0.2585,
0.4328


395.5902, 0.2866,
0.3786


 37.2435, 0.2512,
0.4470


 93.5722, 0.2689,
0.4126


 25.3961, 0.2417,
0.4656


 120.5585, 0.2728,
0.4052

 16.3724, 0.2289,
0.4909


 152.2906, 0.2760,
0.3989

 9.7881, 0.2107,
0.5272

 189.1527, 0.2787,
0.3936

 5.2587, 0.1831,
0.5828

 231.5293, 0.2811,
0.3891

 2.3998, 0.1236,
0.6958

279.8049, 0.2832,

 0.8258, 0.0000,

0.3851

1.0000

334.3637, 0.2850,
0.3817

■ 0.0000, 0.0000,
0.0000

■ 52.2991, 0.2585,
0.4328

■ 52.2991, 0.2585,
0.4328

■ 51.7126, 0.2592,
0.4475

■ 53.1544, 0.2598,
0.4179

■ 51.3546, 0.2612,
0.4604


■ 54.3080, 0.2632,
0.4032


■ 55.7919, 0.2683,
0.3888


■ 57.6322, 0.2751,
0.3751

■ 59.8526, 0.2831,
0.3623

 62.4743, 0.2921,
0.3505

 65.5173, 0.3017,
0.3397

 68.9999, 0.3117,
0.3299

 72.9396, 0.3218,
0.3213

Harmonies

Analogous

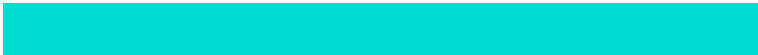
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.2991, 0.3351, 0.4803



52.2991, 0.2585, 0.4328



52.2991, 0.2009, 0.3449

Triad

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



52.2991, 0.2585, 0.4328



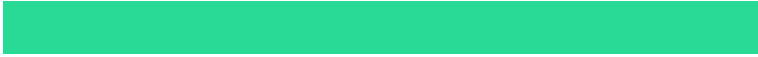
52.2991, 0.2111, 0.2055



52.2991, 0.4744, 0.3578

Complementary

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



52.2991, 0.2585, 0.4328



17.4342, 0.4908, 0.2663

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.



52.2991, 0.4339, 0.2997



52.2991, 0.2585, 0.4328



52.2991, 0.2727, 0.2168

Square

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



52.2991, 0.2585, 0.4328



52.2991, 0.1781, 0.2203



52.2991, 0.3554, 0.2501



52.2991, 0.4627, 0.4174

Rectangle

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



52.2991, 0.2585, 0.4328



52.2991, 0.1795, 0.2893



52.2991, 0.3554, 0.2501



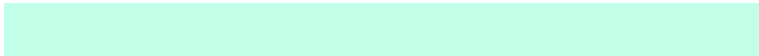
52.2991, 0.4666, 0.3380

Sweetspot

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



52.3012, 0.2585, 0.4328



88.7711, 0.2891, 0.3541



53.0092, 0.3307, 0.5570



18.7099, 0.2859, 0.3584



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.



52.3012, 0.2585, 0.4328



74.1341, 0.2608, 0.4574



45.1824, 0.2204, 0.2990



14.7411, 0.3033, 0.3381



31.1094, 0.2607, 0.4583



2.0320, 0.2541, 0.4348

Inverse Universe

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



17.4342, 0.4908, 0.2663



22.3832, 0.5420, 0.2775



18.3223, 0.5789, 0.3452



13.1332, 0.3232, 0.3201



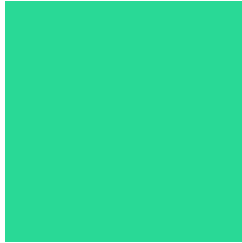
9.3240, 0.5444, 0.2772



0.6205, 0.5002, 0.2529

Previews

White Background



This preview shows how the Yxy color 52.2991, 0.2585, 0.4328 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 52.2991, 0.2585, 0.4328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

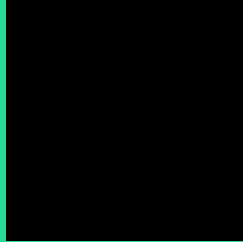
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2991, 0.2585, 0.4328

Background



This preview shows how black text looks on a background with the Yxy color 52.2991, 0.2585, 0.4328.



This preview shows how white text looks on a background with the Yxy color 52.2991, 0.2585, 0.4328.

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

52.2991, 0.2585, 0.4328

Protanopia

51.0675, 0.3664, 0.3924

Deuteranopia

50.9846, 0.3656, 0.3577



Tritanopia

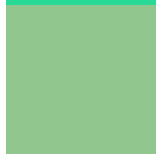
52.2874, 0.2319, 0.3070

Trichromacy



Original Color

52.2991, 0.2585, 0.4328



Protanomaly

48.8196, 0.3111, 0.4107



Deuteranomaly

48.2668, 0.3093, 0.3852



Tritanomaly

51.8130, 0.2404, 0.3490

Monochromacy



Original Color

52.2991, 0.2585, 0.4328



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.2181, 0.2800, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2991, 0.2585, 0.4328 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(41, 217, 150)` looks like.

```
.text, #text, p{  
    color:rgb(41, 217, 150)  
}
```

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(41, 217, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 217, 150) }
```

Border

The CSS property to change the border of an element to Yxy 52.2991, 0.2585, 0.4328 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(41, 217, 150) }
```

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

```
.border{ border-color:rgb(41, 217, 150) }
```

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

Here you see how a box with a 4 pixel rgb(41, 217, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 217, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 217, 150);  
box-shadow:4px 4px 4px 4px rgb(41, 217,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2991, 0.2585, 0.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 217, 150) }
```

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

```
.background{ background-color: rgb(41, 217,  
150) }
```

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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