

Converting Colors

$Y_{xy}(28.7560, 0.2595, 0.4343)$

Have a look what the booklet for
 $\text{Yxy}(28.7560, 0.2595, 0.4343)$
contains.

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Color

$Y_{xy}(28.7560, 0.2595, 0.4343)$

Conversions

Conversions Part 1

Format	Color
Hex	1FA671
RGB	31, 166, 113
RGB Percent	12%, 65%, 44%
CMY	0.8786, 0.3490, 0.5568
CMYK	0.81, 0.00, 0.32, 0.35
HSL	156°, 69%, 39%
HSV	156°, 81%, 65%
XYZ	17.1821, 28.7560, 20.2742
YIQ	119.5930, -63.4470, -45.1030

Conversions

Conversions Part 2

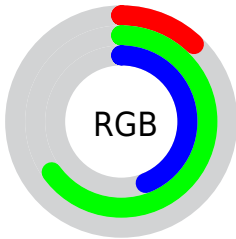
Format	Color
R_{YB}	31, 115, 166
Decimal	2074225
CIE _{Lab}	60.57, -47.31, 17.80
CIE _{LCh}	61, 50.548, 159.378
Yxy	28.7560, 0.2595, 0.4343
Android (android.graphics.Color)	4280264305 (0xFF1FA671)
YUV	119.5930, -3.2503, -77.6961
Hunter-Lab	53.6246, -36.6492, 15.1211

Details

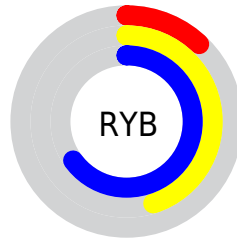
The Yxy color **28.7560, 0.2595, 0.4343** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.7249, 0.4834, 0.2639**, and the grayscale version is **18.6695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6685, 0.2716, 0.4103**, and **12.1919, 0.2634, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **28.4211, 0.2600, 0.4492**, and if you desaturate by 10%, it is **29.2363, 0.2609, 0.4192**.

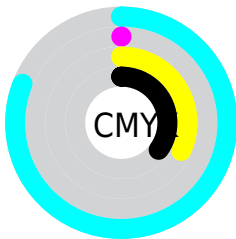
Distribution



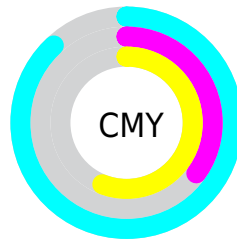
- Red (12%)
- Green (65%)
- Blue (44%)



- Red (12%)
- Yellow (45%)
- Blue (65%)



- Cyan (81%)
- Magenta (0%)
- Yellow (32%)
- Black (35%)



- Cyan (88%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7560, 0.2595, 0.4343 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 28.7560, 0.2595, 0.4343 by changing the saturation by 10% instead.

 28.7560, 0.2595,
0.4343


 28.7560, 0.2595,
0.4343


296.0620, 0.2898,
0.3741


 18.8963, 0.2505,
0.4524


 57.6892, 0.2715,
0.4103


 11.5954, 0.2378,
0.4779

 77.5315, 0.2757,
0.4019

 6.4688, 0.2190,
0.5161


 101.4701, 0.2791,
0.3951

 3.1322, 0.1885,
0.5787

 129.8895, 0.2820,
0.3895

 1.2011, 0.0000,
0.9765

 163.1739, 0.2844,
0.3847

 0.0626, 0.0000,
1.0000

 201.7079, 0.2865,

 0.0000, 0.0000,

0.3807

0.0000

245.8758, 0.2882,
0.3771

■ 28.7560, 0.2595,
0.4343

■ 28.7560, 0.2595,
0.4343

■ 28.4211, 0.2600,
0.4492

■ 29.2363, 0.2609,
0.4192

■ 28.2107, 0.2616,
0.4619

■ 29.8768, 0.2643,
0.4043

■ 30.6941, 0.2694,
0.3898

■ 31.7015, 0.2760,
0.3760

■ 32.9114, 0.2838,
0.3630

■ 34.3348, 0.2925,
0.3510

■ 35.9821, 0.3018,
0.3401

■ 37.8629, 0.3114,
0.3302

■ 39.9861, 0.3212,
0.3214

Harmonies

Analogous

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



28.7560, 0.3364, 0.4809



28.7560, 0.2595, 0.4343



28.7560, 0.2014, 0.3464

Triad

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



28.7560, 0.2595, 0.4343



28.7560, 0.2101, 0.2053



28.7560, 0.4745, 0.3569

Complementary

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



28.7560, 0.2595, 0.4343



9.7249, 0.4834, 0.2639

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.



28.7560, 0.4331, 0.2988



28.7560, 0.2595, 0.4343



28.7560, 0.2714, 0.2162

Square

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



28.7560, 0.2595, 0.4343



28.7560, 0.1775, 0.2206



28.7560, 0.3541, 0.2492



28.7560, 0.4636, 0.4166

Rectangle

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



28.7560, 0.2595, 0.4343



28.7560, 0.1796, 0.2904



28.7560, 0.3541, 0.2492



28.7560, 0.4664, 0.3370

Sweetspot

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



28.7571, 0.2595, 0.4343



61.4684, 0.2897, 0.3546



29.3027, 0.3329, 0.5534



13.5562, 0.2867, 0.3587



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.7571, 0.2595, 0.4343



51.2298, 0.2619, 0.4616



25.6631, 0.2221, 0.3038



8.4814, 0.3037, 0.3380



21.8845, 0.2613, 0.4606



0.5421, 0.2477, 0.4118

Inverse Universe

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



9.7249, 0.4834, 0.2639



15.5067, 0.5379, 0.2749



10.0427, 0.5770, 0.3430



7.5892, 0.3227, 0.3202



6.5923, 0.5367, 0.2730



0.1705, 0.4506, 0.2256

Previews

White Background



This preview shows how the Yxy color 28.7560, 0.2595, 0.4343 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7560, 0.2595, 0.4343 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 × Fail

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

Yxy 28.7560, 0.2595, 0.4343

Background



This preview shows how black text looks on a background with the Yxy color 28.7560, 0.2595, 0.4343.



This preview shows how white text looks on a background with the Yxy color 28.7560, 0.2595, 0.4343.

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

28.7560, 0.2595, 0.4343

Protanopia

28.3182, 0.3666, 0.3943

Deuteranopia

28.1220, 0.3671, 0.3596



Tritanopia

28.8316, 0.2325, 0.3062

Trichromacy



Original Color

28.7560, 0.2595, 0.4343



Protanomaly

27.2235, 0.3126, 0.4131



Deuteranomaly

26.6308, 0.3110, 0.3865



Tritanomaly

28.7788, 0.2411, 0.3491

Monochromacy



Original Color

28.7560, 0.2595, 0.4343



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.2504, 0.2814, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7560, 0.2595, 0.4343 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(31, 166, 113)` looks like.

```
.text, #text, p{  
    color:rgb(31, 166, 113)  
}
```

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(31, 166, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 166, 113) }
```

Border

The CSS property to change the border of an element to Yxy 28.7560, 0.2595, 0.4343 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(31, 166, 113) }
```

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

```
.border{ border-color:rgb(31, 166, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 166, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 166, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 166, 113);  
box-shadow:4px 4px 4px 4px rgb(31, 166,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7560, 0.2595, 0.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 166, 113) }
```

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

```
.background{ background-color: rgb(31, 166,  
113) }
```

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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