

Converting Colors

$Y_{xy}(28.8963, 0.3104, 0.5911)$

Have a look what the booklet for
Yxy(28.8963, 0.3104, 0.5911)
contains.

Yxy(28.8704, 0.3103, 0.5913)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8704, 0.3103, 0.5913)

Conversions

Conversions Part 1

Format	Color
Hex	2AA901
RGB	42, 169, 1
RGB Percent	16%, 66%, 0%
CMY	0.8350, 0.3373, 0.9958
CMYK	0.75, 0.00, 0.99, 0.34
HSL	105°, 99%, 33%
HSV	105°, 99%, 66%
XYZ	15.1505, 28.8704, 4.8044
YIQ	111.8750, -21.7640, -79.1720

Conversions

Conversions Part 2

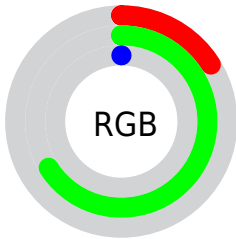
Format	Color
R_{YB}	1, 169, 128
Decimal	2795777
CIE Lab	60.67, -59.36, 61.51
CIE LCh	61, 85.482, 133.980
Yxy	28.8704, 0.3103, 0.5913
Android (android.graphics.Color)	4280985857 (0xFF2AA901)
YUV	111.8750, -54.6614, -61.2804
Hunter-Lab	53.7312, -43.6982, 32.3104

Details

The Yxy color **28.8704, 0.3103, 0.5913** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.4778, 0.2606, 0.1212**, and the grayscale version is **16.3411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6598, 0.3202, 0.5337**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.8523, 0.3101, 0.5920**, and if you desaturate by 10%, it is **29.2269, 0.3143, 0.5791**.

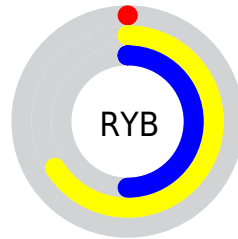
Distribution



Red (16%)

Green (66%)

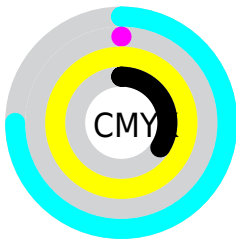
Blue (0%)



Red (0%)

Yellow (66%)

Blue (50%)

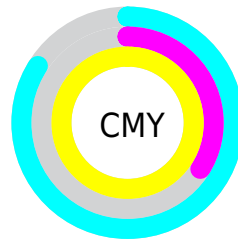


Cyan (75%)

Magenta (0%)

Yellow (99%)

Black (34%)



Cyan (84%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8704, 0.3103, 0.5913 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 28.8704, 0.3103, 0.5913 by changing the saturation by 10% instead.

 28.8704, 0.3103,
0.5913


 28.8704, 0.3103,
0.5913


296.6030, 0.3243,
0.4420


 18.9828, 0.2997,
0.6313


 57.8711, 0.3200,
0.5339

 11.6579, 0.2816,
0.6831


 77.7530, 0.3222,
0.5131

 6.5112, 0.2498,
0.7502


 101.7351, 0.3234,
0.4960

 3.1583, 0.1868,
0.8132

 130.2019, 0.3241,
0.4816

 1.2149, 0.0000,
1.0000

 163.5377, 0.3244,
0.4694


 0.0738, 0.0000,
1.0000

 202.1268, 0.3245,


 0.0000, 0.0000,


0.4589


0.0000


 246.3538, 0.3245,
0.4499

 28.8704, 0.3103,
0.5913


 28.8704, 0.3103,
0.5913


 28.8523, 0.3101,
0.5920

 29.2269, 0.3143,
0.5791

 29.7113, 0.3179,
0.5608

 30.3440, 0.3205,
0.5360

 31.1369, 0.3219,
0.5066

 32.1010, 0.3221,
0.4745

■ 33.2460, 0.3213,
0.4417

■ 34.5808, 0.3197,
0.4098

■ 36.1139, 0.3176,
0.3798

■ 37.8530, 0.3152,
0.3523

Harmonies

Analogous

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



28.8704, 0.4258, 0.5436



28.8704, 0.3103, 0.5913



28.8704, 0.2009, 0.4983

Triad

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



28.8704, 0.3103, 0.5913



28.8704, 0.1189, 0.1562



28.8704, 0.5294, 0.2845

Complementary

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



28.8704, 0.3103, 0.5913



7.4778, 0.2606, 0.1212

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.



28.8704, 0.3994, 0.2159



28.8704, 0.3103, 0.5913



28.8704, 0.1668, 0.1463

Square

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



28.8704, 0.3103, 0.5913



28.8704, 0.1062, 0.2072



28.8704, 0.2606, 0.1671



28.8704, 0.5730, 0.3612

Rectangle

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



28.8704, 0.3103, 0.5913



28.8704, 0.1476, 0.3802



28.8704, 0.2606, 0.1671



28.8704, 0.4927, 0.2603

Sweetspot

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



28.8716, 0.3103, 0.5913



61.6346, 0.3199, 0.4135



23.6206, 0.4706, 0.4640



13.2182, 0.3206, 0.4262



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.



28.8716, 0.3103, 0.5913



51.5910, 0.3091, 0.5927



28.5574, 0.2914, 0.5686



8.4929, 0.3151, 0.3521



21.5254, 0.3107, 0.5915



0.5467, 0.3347, 0.5725

Inverse Universe

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



7.4778, 0.2606, 0.1212



13.2124, 0.2591, 0.1201



9.9910, 0.3951, 0.1953



7.5730, 0.3100, 0.3065



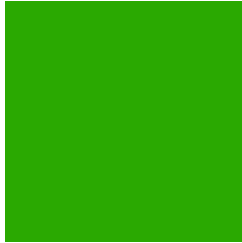
5.5665, 0.2609, 0.1211



0.1571, 0.2819, 0.1326

Previews

White Background



This preview shows how the Yxy color 28.8704, 0.3103, 0.5913 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 28.8704, 0.3103, 0.5913 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 28.8704, 0.3103, 0.5913

Background



This preview shows how black text looks on a background with the Yxy color 28.8704, 0.3103, 0.5913.



This preview shows how white text looks on a background with the Yxy color 28.8704, 0.3103, 0.5913.

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

28.8704, 0.3103, 0.5913

Protanopia

28.4503, 0.4398, 0.4890

Deuteranopia

28.3716, 0.4598, 0.4509



Tritanopia

28.7217, 0.2414, 0.3064

Trichromacy



Original Color

28.8704, 0.3103, 0.5913



Protanomaly

27.1043, 0.3813, 0.5354



Deuteranomaly

26.4623, 0.3948, 0.5116



Tritanomaly

27.7521, 0.2757, 0.4310

Monochromacy



Original Color

28.8704, 0.3103, 0.5913



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.2692, 0.3219, 0.4599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8704, 0.3103, 0.5913 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(42, 169, 1)` looks like.

```
.text, #text, p{  
  color:rgb(42, 169, 1)  
}
```

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(42, 169, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 169, 1) }
```

Border

The CSS property to change the border of an element to Yxy 28.8704, 0.3103, 0.5913 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(42, 169, 1) }
```

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

```
.border{ border-color:rgb(42, 169, 1) }
```

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

Here you see how a box with a 4 pixel rgb(42, 169, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 169, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 169, 1);  
box-shadow:4px 4px 4px 4px rgb(42, 169, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.8704, 0.3103, 0.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 169, 1) }
```

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

```
.background{ background-color: rgb(42, 169,  
1) }
```

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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