

Converting Colors

$Y_{xy}(26.9468, 0.2770, 0.5952)$

Have a look what the booklet for
Yxy(26.9468, 0.2770, 0.5952)
contains.

Yxy(27.7312, 0.2951, 0.5823)	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

$Y_{xy}(27.7312, 0.2951, 0.5823)$

Conversions

Conversions Part 1

Format	Color
Hex	00A71E
RGB	0, 167, 30
RGB Percent	0%, 65%, 12%
CMY	0.9996, 0.3451, 0.8824
CMYK	1.00, 0.00, 0.82, 0.35
HSL	131°, 100%, 33%
HSV	131°, 100%, 65%
XYZ	14.0537, 27.7312, 5.8386
YIQ	101.4490, -55.5550, -78.0110

Conversions

Conversions Part 2

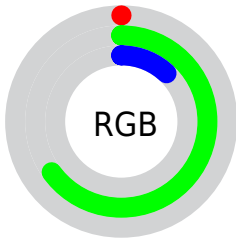
Format	Color
RYB	0, 142, 167
Decimal	42782
CIELab	59.65, -61.66, 55.00
CIELCh	60, 82.628, 138.266
Yxy	27.7312, 0.2951, 0.5823
Android (android.graphics.Color)	4278232862 (0xFF00A71E)
YUV	101.4490, -35.2244, -88.9708
Hunter-Lab	52.6604, -44.5187, 30.2886

Details

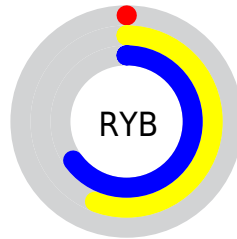
The Yxy color **27.7312, 0.2951, 0.5823** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.0272, 0.3716, 0.1821**, and the grayscale version is **13.2478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7906, 0.3064, 0.5240**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.7313, 0.2951, 0.5824**, and if you desaturate by 10%, it is **27.9349, 0.2934, 0.5654**.

Distribution



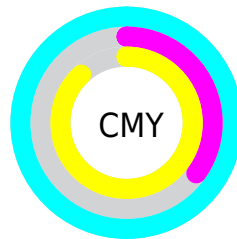
- Red (0%)
- Green (65%)
- Blue (12%)



- Red (0%)
- Yellow (56%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7312, 0.2951, 0.5823 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 27.7312, 0.2951, 0.5823 by changing the saturation by 10% instead.


 27.7312, 0.2951,
0.5823


 27.7312, 0.2951,
0.5823


291.1803, 0.3154,
0.4352


 18.1231, 0.2837,
0.6240


 56.0550, 0.3066,
0.5244

 11.0384, 0.2644,
0.6783


 75.5395, 0.3095,
0.5039


 6.0927, 0.2353,
0.7647

 99.0850, 0.3115,
0.4871

 2.9015, 0.1622,
0.8378

 127.0758, 0.3129,
0.4731

 1.0805, 0.0000,
1.0000

 159.8963, 0.3139,
0.4614

 0.0000, 0.0000,
0.0000

 197.9310, 0.3146,

0.4513

241.5642, 0.3151,
0.4427

■ 27.7312, 0.2951,
0.5823

■ 27.7312, 0.2951,
0.5823

■ 27.7313, 0.2951,
0.5824

■ 27.9349, 0.2934,
0.5654

■ 28.2691, 0.2922,
0.5430

■ 28.7776, 0.2922,
0.5163

■ 29.4808, 0.2933,
0.4869

■ 30.3963, 0.2954,
0.4565

■ 31.5396, 0.2983,
0.4267

■ 32.9249, 0.3016,
0.3986

■ 34.5650, 0.3053,
0.3727

■ 36.4721, 0.3090,
0.3495

Harmonies

Analogous

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



27.7312, 0.4096, 0.5524



27.7312, 0.2951, 0.5823



27.7312, 0.1902, 0.4708

Triad

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



27.7312, 0.2951, 0.5823



27.7312, 0.1259, 0.1552



27.7312, 0.5377, 0.2963

Complementary

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



27.7312, 0.2951, 0.5823



10.0272, 0.3716, 0.1821

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.



27.7312, 0.4186, 0.2265



27.7312, 0.2951, 0.5823



27.7312, 0.1793, 0.1500

Square

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



27.7312, 0.2951, 0.5823



27.7312, 0.1087, 0.1990



27.7312, 0.2790, 0.1746



27.7312, 0.5668, 0.3736

Rectangle

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



27.7312, 0.2951, 0.5823



27.7312, 0.1420, 0.3554



27.7312, 0.2790, 0.1746



27.7312, 0.5058, 0.2719

Sweetspot

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



27.7323, 0.2951, 0.5823



58.8034, 0.3014, 0.4002



33.1431, 0.3904, 0.5282



12.9244, 0.3000, 0.4114



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.



27.7323, 0.2951, 0.5823



49.6422, 0.2957, 0.5846



28.7945, 0.2558, 0.4408



8.4289, 0.3093, 0.3481



21.2252, 0.2947, 0.5811



0.5225, 0.2798, 0.5273

Inverse Universe

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



10.0272, 0.3716, 0.1821



17.9253, 0.3727, 0.1827



8.5007, 0.5620, 0.2870



7.6432, 0.3164, 0.3107



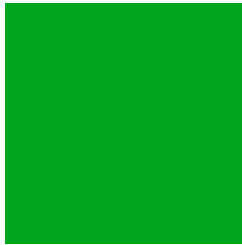
7.6773, 0.3711, 0.1818



0.1926, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 27.7312, 0.2951, 0.5823 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 27.7312, 0.2951, 0.5823 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 27.7312, 0.2951, 0.5823

Background



This preview shows how black text looks on a background with the Yxy color 27.7312, 0.2951, 0.5823.



This preview shows how white text looks on a background with the Yxy color 27.7312, 0.2951, 0.5823.

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

27.7312, 0.2951, 0.5823

Protanopia

27.2879, 0.4346, 0.4804

Deuteranopia

27.3893, 0.4521, 0.4441



Tritanopia

27.5351, 0.2360, 0.3059

Trichromacy



Original Color

27.7312, 0.2951, 0.5823



Protanomaly

25.3558, 0.3577, 0.5368



Deuteranomaly

24.5980, 0.3686, 0.5106



Tritanomaly

26.6398, 0.2580, 0.4114

Monochromacy



Original Color

27.7312, 0.2951, 0.5823



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

16.2652, 0.2960, 0.4491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7312, 0.2951, 0.5823 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, 167, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 30)  
}
```

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, 167, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 30) }
```

Border

The CSS property to change the border of an element to Yxy 27.7312, 0.2951, 0.5823 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, 167, 30) }
```

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

```
.border{ border-color:rgb(0, 167, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.7312, 0.2951, 0.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 30) }
```

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

```
.background{ background-color: rgb(0, 167,  
30) }
```

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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