

Converting Colors

$Y_{xy}(28.2238, 0.2940, 0.5784)$

Have a look what the booklet for
Yxy(28.2238, 0.2940, 0.5784)
contains.

Yxy(28.1208, 0.2941, 0.5786)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.1208, 0.2941, 0.5786)$

Conversions

Conversions Part 1

Format	Color
Hex	00A822
RGB	0, 168, 34
RGB Percent	0%, 66%, 13%
CMY	0.9990, 0.3412, 0.8667
CMYK	1.00, 0.00, 0.80, 0.34
HSL	132°, 100%, 33%
HSV	132°, 100%, 66%
XYZ	14.2937, 28.1208, 6.1870
YIQ	102.4920, -57.1140, -77.2900

Conversions

Conversions Part 2

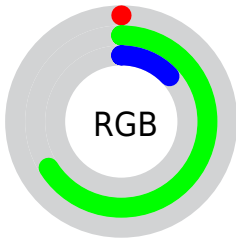
Format	Color
RYB	0, 140, 168
Decimal	43042
CIELab	60.00, -61.68, 54.14
CIELCh	60, 82.074, 138.726
Yxy	28.1208, 0.2941, 0.5786
Android (android.graphics.Color)	4278233122 (0xFF00A822)
YUV	102.4920, -33.7666, -89.8855
Hunter-Lab	53.0290, -44.6871, 30.2029

Details

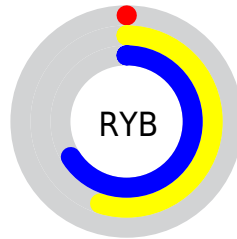
The Yxy color **28.1208, 0.2941, 0.5786** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.0592, 0.3788, 0.1861**, and the grayscale version is **13.5460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9158, 0.3051, 0.5217**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.1190, 0.2941, 0.5788**, and if you desaturate by 10%, it is **28.3332, 0.2921, 0.5609**.

Distribution



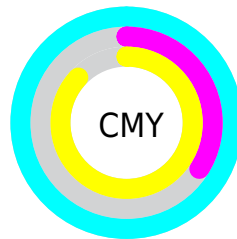
- Red (0%)
- Green (66%)
- Blue (13%)



- Red (0%)
- Yellow (55%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1208, 0.2941, 0.5786 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 28.1208, 0.2941, 0.5786 by changing the saturation by 10% instead.


 28.1208, 0.2941,
0.5786


 28.1208, 0.2941,
0.5786


293.0437, 0.3145,
0.4337


 18.4167, 0.2830,
0.6198


 56.6772, 0.3054,
0.5216

 11.2496, 0.2642,
0.6737


 76.2984, 0.3084,
0.5013

 6.2350, 0.2371,
0.7629

 99.9941, 0.3104,
0.4848

 2.9885, 0.1668,
0.8332

 128.1487, 0.3119,
0.4711

 1.1257, 0.0000,
1.0000

 161.1465, 0.3129,
0.4595

 0.0000, 0.0000,
0.0000

 199.3720, 0.3136,

0.4496

243.2096, 0.3141,
0.4411

■ 28.1208, 0.2941,
0.5786

■ 28.1208, 0.2941,
0.5786

■ 28.1190, 0.2941,
0.5788

■ 28.3332, 0.2921,
0.5609

■ 28.6777, 0.2908,
0.5382

■ 29.1978, 0.2907,
0.5115

■ 29.9138, 0.2919,
0.4825

■ 30.8434, 0.2942,
0.4528

■ 32.0020, 0.2972,
0.4238

■ 33.4038, 0.3008,
0.3964

■ 35.0618, 0.3047,
0.3713

■ 36.9879, 0.3088,
0.3487

Harmonies

Analogous

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



28.1208, 0.4078, 0.5518



28.1208, 0.2941, 0.5786



28.1208, 0.1903, 0.4665

Triad

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



28.1208, 0.2941, 0.5786



28.1208, 0.1278, 0.1563



28.1208, 0.5365, 0.2980

Complementary

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



28.1208, 0.2941, 0.5786



10.0592, 0.3788, 0.1861

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.



28.1208, 0.4198, 0.2285



28.1208, 0.2941, 0.5786



28.1208, 0.1816, 0.1515

Square

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



28.1208, 0.2941, 0.5786



28.1208, 0.1102, 0.1993



28.1208, 0.2814, 0.1764



28.1208, 0.5643, 0.3752

Rectangle

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



28.1208, 0.2941, 0.5786



28.1208, 0.1428, 0.3528



28.1208, 0.2814, 0.1764



28.1208, 0.5053, 0.2738

Sweetspot

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



28.1220, 0.2941, 0.5786



60.4222, 0.3005, 0.3983



33.1109, 0.3846, 0.5327



12.9368, 0.2990, 0.4091



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.



28.1220, 0.2941, 0.5786



51.0023, 0.2948, 0.5813



29.3069, 0.2525, 0.4288



8.4315, 0.3090, 0.3475



21.2409, 0.2937, 0.5774



0.5235, 0.2777, 0.5197

Inverse Universe

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



10.0592, 0.3788, 0.1861



18.2097, 0.3801, 0.1868



8.5658, 0.5740, 0.2937



7.6404, 0.3167, 0.3111



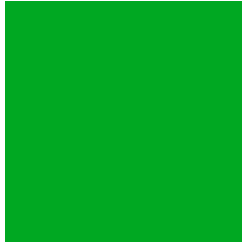
7.5984, 0.3782, 0.1857



0.1913, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 28.1208, 0.2941, 0.5786 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 28.1208, 0.2941, 0.5786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

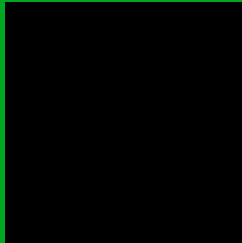
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1208, 0.2941, 0.5786

Background



This preview shows how black text looks on a background with the Yxy color 28.1208, 0.2941, 0.5786.



This preview shows how white text looks on a background with the Yxy color 28.1208, 0.2941, 0.5786.

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

28.1208, 0.2941, 0.5786

Protanopia

27.7117, 0.4331, 0.4784

Deuteranopia

27.5334, 0.4513, 0.4409



Tritanopia

27.9436, 0.2363, 0.3060

Trichromacy



Original Color

28.1208, 0.2941, 0.5786



Protanomaly

25.7598, 0.3567, 0.5336



Deuteranomaly

25.0065, 0.3669, 0.5064



Tritanomaly

27.0556, 0.2575, 0.4087

Monochromacy



Original Color

28.1208, 0.2941, 0.5786



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.8871, 0.2952, 0.4447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1208, 0.2941, 0.5786 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, 168, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 34)  
}
```

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, 168, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 34) }
```

Border

The CSS property to change the border of an element to Yxy 28.1208, 0.2941, 0.5786 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, 168, 34) }
```

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

```
.border{ border-color:rgb(0, 168, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.1208, 0.2941, 0.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 34) }
```

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

```
.background{ background-color: rgb(0, 168,  
34) }
```

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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