

Converting Colors

$Y_{xy}(25.7336, 0.2931, 0.5670)$

Have a look what the booklet for
Yxy(25.7336, 0.2931, 0.5670)
contains.

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Color

$Y_{xy}(25.7280, 0.2930, 0.5668)$

Conversions

Conversions Part 1

Format	Color
Hex	0CA129
RGB	12, 161, 41
RGB Percent	5%, 63%, 16%
CMY	0.9519, 0.3686, 0.8392
CMYK	0.92, 0.00, 0.75, 0.37
HSL	132°, 86%, 34%
HSV	132°, 92%, 63%
XYZ	13.2998, 25.7280, 6.3639
YIQ	102.7690, -50.2840, -68.9080

Conversions

Conversions Part 2

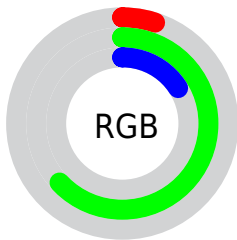
Format	Color
RYB	12, 137, 161
Decimal	827689
CIELab	57.78, -58.43, 49.59
CIELCh	58, 76.634, 139.679
Yxy	25.7280, 0.2930, 0.5668
Android (android.graphics.Color)	4279017769 (0xFF0CA129)
YUV	102.7690, -30.4521, -79.6044
Hunter-Lab	50.7228, -41.9613, 28.0671

Details

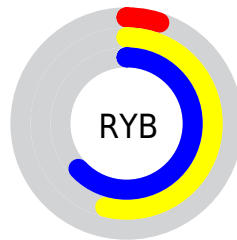
The Yxy color **25.7280, 0.2930, 0.5668** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.5194, 0.3707, 0.1856**, and the grayscale version is **13.6142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8135, 0.3042, 0.5108**, and **10.7251, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **25.5882, 0.2944, 0.5797**, and if you desaturate by 10%, it is **26.0073, 0.2915, 0.5454**.

Distribution



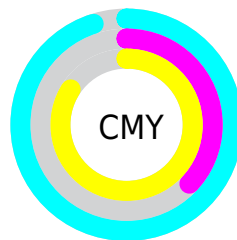
- Red (5%)
- Green (63%)
- Blue (16%)



- Red (5%)
- Yellow (54%)
- Blue (63%)



- Cyan (92%)
- Magenta (0%)
- Yellow (75%)
- Black (37%)




- Cyan (95%)
- Magenta (37%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7280, 0.2930, 0.5668 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 25.7280, 0.2930, 0.5668 by changing the saturation by 10% instead.


 25.7280, 0.2930,
0.5668


 25.7280, 0.2930,
0.5668


281.4443, 0.3130,
0.4267

 16.6203, 0.2823,
0.6081


 52.8358, 0.3039,
0.5108

 9.9641, 0.2638,
0.6634


 71.6047, 0.3068,
0.4912


 5.3752, 0.2382,
0.7618

 94.3627, 0.3088,
0.4753

 2.4690, 0.1525,
0.8475

 121.4943, 0.3102,
0.4622

 0.8611, 0.0000,
1.0000

 153.3839, 0.3112,
0.4511

 0.0000, 0.0000,
0.0000

 190.4158, 0.3120,

0.4418

232.9745, 0.3125,
0.4337

■ 25.7280, 0.2930,
0.5668

■ 25.7280, 0.2930,
0.5668

■ 25.5882, 0.2944,
0.5797

■ 26.0073, 0.2915,
0.5454

■ 26.4399, 0.2912,
0.5196

■ 27.0463, 0.2920,
0.4909

■ 27.8427, 0.2940,
0.4611

■ 28.8438, 0.2968,
0.4316

■ 30.0625, 0.3002,
0.4036

■ 31.5109, 0.3040,
0.3777

■ 33.1998, 0.3079,
0.3544

■ 35.1398, 0.3118,
0.3336

Harmonies

Analogous

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



25.7280, 0.4039, 0.5478



25.7280, 0.2930, 0.5668



25.7280, 0.1923, 0.4556

Triad

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



25.7280, 0.2930, 0.5668



25.7280, 0.1336, 0.1605



25.7280, 0.5308, 0.3024

Complementary

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



25.7280, 0.2930, 0.5668



9.5194, 0.3707, 0.1856

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.



25.7280, 0.4204, 0.2336



25.7280, 0.2930, 0.5668



25.7280, 0.1879, 0.1564

Square

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



25.7280, 0.2930, 0.5668



25.7280, 0.1153, 0.2018



25.7280, 0.2867, 0.1818



25.7280, 0.5560, 0.3788

Rectangle

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



25.7280, 0.2930, 0.5668



25.7280, 0.1465, 0.3478



25.7280, 0.2867, 0.1818



25.7280, 0.5015, 0.2784

Sweetspot

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



25.7291, 0.2930, 0.5668



54.7904, 0.3016, 0.3934



30.5622, 0.3881, 0.5249



11.7971, 0.3001, 0.4042



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.7291, 0.2930, 0.5668



45.8060, 0.2950, 0.5822



26.7815, 0.2532, 0.4256



7.9164, 0.3091, 0.3476



20.4422, 0.2940, 0.5785



0.4353, 0.2775, 0.5189

Inverse Universe

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



9.5194, 0.3707, 0.1856



16.4229, 0.3773, 0.1852



8.1661, 0.5439, 0.2842



7.1786, 0.3165, 0.3111



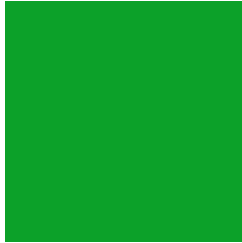
7.3421, 0.3756, 0.1843



0.1600, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 25.7280, 0.2930, 0.5668 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 25.7280, 0.2930, 0.5668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

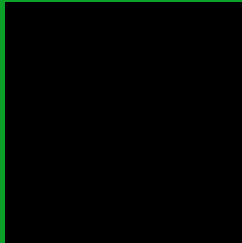
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7280, 0.2930, 0.5668

Background



This preview shows how black text looks on a background with the Yxy color 25.7280, 0.2930, 0.5668.



This preview shows how white text looks on a background with the Yxy color 25.7280, 0.2930, 0.5668.

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

25.7280, 0.2930, 0.5668

Protanopia

25.2669, 0.4287, 0.4728

Deuteranopia

25.2603, 0.4450, 0.4361



Tritanopia

25.6146, 0.2366, 0.3070

Trichromacy



Original Color

25.7280, 0.2930, 0.5668



Protanomaly

23.5749, 0.3583, 0.5212



Deuteranomaly

23.1452, 0.3670, 0.4948



Tritanomaly

25.0235, 0.2574, 0.4026

Monochromacy



Original Color

25.7280, 0.2930, 0.5668



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.2966, 0.2972, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7280, 0.2930, 0.5668 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(12, 161, 41)` looks like.

```
.text, #text, p{  
    color:rgb(12, 161, 41)  
}
```

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(12, 161, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 161, 41) }
```

Border

The CSS property to change the border of an element to Yxy 25.7280, 0.2930, 0.5668 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(12, 161, 41) }
```

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

```
.border{ border-color:rgb(12, 161, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 161, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 161, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 161, 41);  
box-shadow:4px 4px 4px 4px rgb(12, 161,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7280, 0.2930, 0.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 161, 41) }
```

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

```
.background{ background-color: rgb(12, 161,  
41) }
```

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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