

Converting Colors

$Y_{xy}(50.6331, 0.2992, 0.5768)$

Have a look what the booklet for
Yxy(50.6331, 0.2992, 0.5768)
contains.

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Color

$\text{Yxy}(50.7256, 0.2992, 0.5769)$

Conversions

Conversions Part 1

Format	Color
Hex	25DA2D
RGB	37, 218, 45
RGB Percent	15%, 85%, 18%
CMY	0.8551, 0.1451, 0.8232
CMYK	0.83, 0.00, 0.79, 0.15
HSL	123°, 71%, 50%
HSV	123°, 83%, 85%
XYZ	26.3080, 50.7256, 10.8943
YIQ	144.1590, -52.3430, -92.1750

Conversions

Conversions Part 2

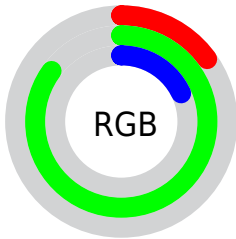
Format	Color
RYB	37, 210, 218
Decimal	2480685
CIELab	76.51, -72.91, 66.66
CIELCh	77, 98.786, 137.566
Yxy	50.7256, 0.2992, 0.5769
Android (android.graphics.Color)	4280670765 (0xFF25DA2D)
YUV	144.1590, -48.8854, -93.9784
Hunter-Lab	71.2219, -58.7038, 40.7862

Details

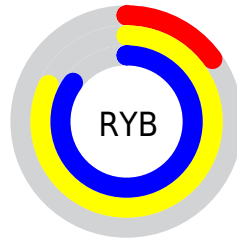
The Yxy color **50.7256, 0.2992, 0.5769** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.8741, 0.3300, 0.1672**, and the grayscale version is **28.1737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3915, 0.3096, 0.5166**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.3150, 0.2993, 0.5919**, and if you desaturate by 10%, it is **51.4597, 0.2997, 0.5539**.

Distribution



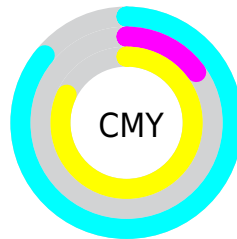
- Red (15%)
- Green (85%)
- Blue (18%)



- Red (15%)
- Yellow (82%)
- Blue (85%)



- Cyan (83%)
- Magenta (0%)
- Yellow (79%)
- Black (15%)



- Cyan (86%)
- Magenta (15%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7256, 0.2992, 0.5769 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 50.7256, 0.2992, 0.5769 by changing the saturation by 10% instead.


 50.7256, 0.2992,
0.5769


 50.7256, 0.2992,
0.5769

 389.4967, 0.3165,
0.4458

 35.9903, 0.2910,
0.6094


 91.2490, 0.3083,
0.5288

 24.4267, 0.2783,
0.6497


 117.8059, 0.3109,
0.5108


 15.6504, 0.2581,
0.6996

 149.0721, 0.3127,
0.4956

 9.2771, 0.2284,
0.7716

 185.4321, 0.3140,
0.4826

 4.9224, 0.1718,
0.8282

 227.2701, 0.3150,
0.4715

 2.2018, 0.0000,
1.0000

 274.9706, 0.3156,

 0.7210, 0.0000,

0.4618

1.0000

328.9180, 0.3161,
0.4533

■ 0.0000, 0.0000,
0.0000

■ 50.7256, 0.2992,
0.5769

■ 50.7256, 0.2992,
0.5769

■ 50.3150, 0.2993,
0.5919

■ 51.4597, 0.2997,
0.5539


■ 50.1665, 0.2994,
0.5977


■ 52.5587, 0.3007,
0.5245


■ 54.0641, 0.3023,
0.4911


■ 56.0105, 0.3041,
0.4564

■ 58.4286, 0.3062,
0.4223

 61.3467, 0.3083,
0.3905

 64.7905, 0.3103,
0.3617

 68.7840, 0.3122,
0.3361

 73.3500, 0.3139,
0.3138

Harmonies

Analogous

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



50.7256, 0.4119, 0.5472



50.7256, 0.2992, 0.5769



50.7256, 0.1951, 0.4711

Triad

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



50.7256, 0.2992, 0.5769



50.7256, 0.1279, 0.1586



50.7256, 0.5311, 0.2958

Complementary

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



50.7256, 0.2992, 0.5769



20.8741, 0.3300, 0.1672

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.



50.7256, 0.4132, 0.2270



50.7256, 0.2992, 0.5769



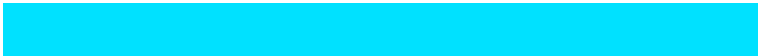
50.7256, 0.1799, 0.1524

Square

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



50.7256, 0.2992, 0.5769



50.7256, 0.1117, 0.2034



50.7256, 0.2771, 0.1762



50.7256, 0.5627, 0.3724

Rectangle

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



50.7256, 0.2992, 0.5769



50.7256, 0.1465, 0.3590



50.7256, 0.2771, 0.1762



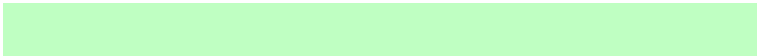
50.7256, 0.4991, 0.2717

Sweetspot

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



50.7277, 0.2992, 0.5769



86.5288, 0.3078, 0.3972



64.2709, 0.4099, 0.5013



18.1992, 0.3071, 0.4084



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.7277, 0.2992, 0.5769



71.5452, 0.2995, 0.5981



52.2454, 0.2659, 0.4614



14.6157, 0.3110, 0.3521



30.0578, 0.2992, 0.5970



1.9507, 0.2966, 0.5878

Inverse Universe

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



20.8741, 0.3300, 0.1672



27.7652, 0.3327, 0.1606



17.6182, 0.4684, 0.2497



13.2642, 0.3145, 0.3070



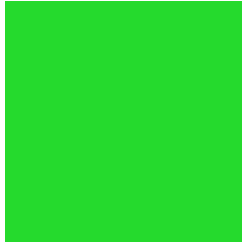
11.6693, 0.3324, 0.1605



0.7592, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 50.7256, 0.2992, 0.5769 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 50.7256, 0.2992, 0.5769 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 ✓ Pass

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

Yxy 50.7256, 0.2992, 0.5769

Background



This preview shows how black text looks on a background with the Yxy color 50.7256, 0.2992, 0.5769.



This preview shows how white text looks on a background with the Yxy color 50.7256, 0.2992, 0.5769.

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

50.7256, 0.2992, 0.5769

Protanopia

49.3759, 0.4339, 0.4795

Deuteranopia

49.7034, 0.4524, 0.4428



Tritanopia

50.3131, 0.2377, 0.3069

Trichromacy



Original Color

50.7256, 0.2992, 0.5769



Protanomaly

46.7444, 0.3678, 0.5272



Deuteranomaly

46.1167, 0.3782, 0.5025



Tritanomaly

49.0079, 0.2628, 0.4094

Monochromacy



Original Color

50.7256, 0.2992, 0.5769



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.2118, 0.3051, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7256, 0.2992, 0.5769 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(37, 218, 45)` looks like.

```
.text, #text, p{  
    color:rgb(37, 218, 45)  
}
```

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(37, 218, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 218, 45) }
```

Border

The CSS property to change the border of an element to Yxy 50.7256, 0.2992, 0.5769 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(37, 218, 45) }
```

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

```
.border{ border-color:rgb(37, 218, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 218, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 218, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 218, 45);  
box-shadow:4px 4px 4px 4px rgb(37, 218,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7256, 0.2992, 0.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 218, 45) }
```

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

```
.background{ background-color: rgb(37, 218,  
45) }
```

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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