

Converting Colors

$Y_{xy}(21.4954, 0.2816, 0.5808)$

Have a look what the booklet for
Yxy(21.4954, 0.2816, 0.5808)
contains.

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Color

Yxy(21.9282, 0.2925, 0.5728)

Conversions

Conversions Part 1

Format	Color
Hex	009622
RGB	0, 150, 34
RGB Percent	0%, 59%, 13%
CMY	0.9990, 0.4118, 0.8666
CMYK	1.00, 0.00, 0.77, 0.41
HSL	134°, 100%, 29%
HSV	134°, 100%, 59%
XYZ	11.1976, 21.9282, 5.1566
YIQ	91.9260, -52.1640, -67.8760

Conversions

Conversions Part 2

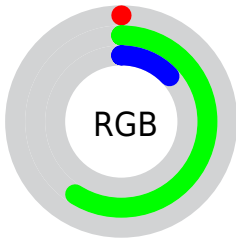
Format	Color
RYB	0, 122, 150
Decimal	38434
CIELab	53.95, -56.40, 48.24
CIELCh	54, 74.219, 139.456
Yxy	21.9282, 0.2925, 0.5728
Android (android.graphics.Color)	4278228514 (0xFF009622)
YUV	91.9260, -28.5575, -80.6191
Hunter-Lab	46.8276, -39.2645, 26.2503

Details

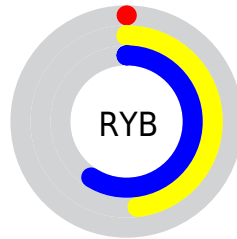
The Yxy color **21.9282, 0.2925, 0.5728** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.7560, 0.3863, 0.1903**, and the grayscale version is **10.7795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4255, 0.3046, 0.5128**, and **8.5494, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.9263, 0.2925, 0.5731**, and if you desaturate by 10%, it is **22.1100, 0.2905, 0.5540**.

Distribution



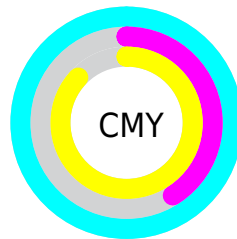
- Red (0%)
- Green (59%)
- Blue (13%)



- Red (0%)
- Yellow (48%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9282, 0.2925, 0.5728 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 21.9282, 0.2925, 0.5728 by changing the saturation by 10% instead.


 21.9282, 0.2925,
0.5728


 21.9282, 0.2925,
0.5728


262.1711, 0.3135,
0.4260


 13.8042, 0.2804,
0.6176


 46.6273, 0.3043,
0.5131

 7.9846, 0.2596,
0.6792


 63.9711, 0.3073,
0.4925


 4.0851, 0.2242,
0.7758

 85.1570, 0.3093,
0.4759


 1.7213, 0.0503,
0.9497

 110.5694, 0.3108,
0.4623

 0.4374, 0.0000,
1.0000

 140.5926, 0.3118,
0.4510

 0.0000, 0.0000,
0.0000

 175.6110, 0.3125,

0.4414

216.0090, 0.3131,
0.4331

■ 21.9282, 0.2925,
0.5728

■ 21.9282, 0.2925,
0.5728

■ 21.9263, 0.2925,
0.5731

■ 22.1100, 0.2905,
0.5540

■ 22.3897, 0.2892,
0.5310

■ 22.8037, 0.2892,
0.5046

■ 23.3670, 0.2905,
0.4763

■ 24.0927, 0.2929,
0.4476

■ 24.9924, 0.2961,
0.4197

■ 26.0765, 0.3000,
0.3935

■ 27.3547, 0.3041,
0.3695

■ 28.8359, 0.3085,
0.3479

Harmonies

Analogous

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



21.9282, 0.4049, 0.5507



21.9282, 0.2925, 0.5728



21.9282, 0.1903, 0.4598

Triad

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



21.9282, 0.2925, 0.5728



21.9282, 0.1308, 0.1580



21.9282, 0.5347, 0.3008

Complementary

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



21.9282, 0.2925, 0.5728



7.7560, 0.3863, 0.1903

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.



21.9282, 0.4215, 0.2314



21.9282, 0.2925, 0.5728



21.9282, 0.1852, 0.1538

Square

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



21.9282, 0.2925, 0.5728



21.9282, 0.1125, 0.1998



21.9282, 0.2850, 0.1793



21.9282, 0.5603, 0.3777

Rectangle

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



21.9282, 0.2925, 0.5728



21.9282, 0.1440, 0.3489



21.9282, 0.2850, 0.1793



21.9282, 0.5047, 0.2766

Sweetspot

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



21.9291, 0.2925, 0.5728



45.8629, 0.2997, 0.3955



25.6328, 0.3821, 0.5347



9.9963, 0.2982, 0.4052



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.9291, 0.2925, 0.5728



38.6741, 0.2933, 0.5759



22.8871, 0.2506, 0.4219



6.4886, 0.3087, 0.3466



18.1901, 0.2922, 0.5719



0.2265, 0.2722, 0.4999

Inverse Universe

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



7.7560, 0.3863, 0.1903



13.6484, 0.3879, 0.1911



6.6615, 0.5775, 0.2957



5.8870, 0.3169, 0.3120



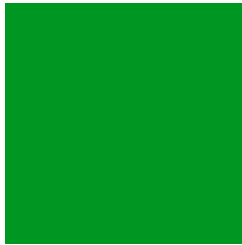
6.4321, 0.3858, 0.1899



0.0831, 0.3503, 0.1704

Previews

White Background



This preview shows how the Yxy color 21.9282, 0.2925, 0.5728 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 21.9282, 0.2925, 0.5728 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 21.9282, 0.2925, 0.5728

Background



This preview shows how black text looks on a background with the Yxy color 21.9282, 0.2925, 0.5728.



This preview shows how white text looks on a background with the Yxy color 21.9282, 0.2925, 0.5728.

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

21.9282, 0.2925, 0.5728

Protanopia

21.7185, 0.4291, 0.4761

Deuteranopia

21.5899, 0.4467, 0.4394



Tritanopia

22.0147, 0.2367, 0.3075

Trichromacy



Original Color

21.9282, 0.2925, 0.5728



Protanomaly

20.2656, 0.3547, 0.5283



Deuteranomaly

19.4945, 0.3642, 0.5018



Tritanomaly

21.4803, 0.2574, 0.4079

Monochromacy



Original Color

21.9282, 0.2925, 0.5728



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

13.1950, 0.2941, 0.4386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9282, 0.2925, 0.5728 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, 150, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 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, 150, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 34) }
```

Border

The CSS property to change the border of an element to Yxy 21.9282, 0.2925, 0.5728 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, 150, 34) }
```

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

```
.border{ border-color:rgb(0, 150, 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, 150, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.9282, 0.2925, 0.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 34) }
```

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

```
.background{ background-color: rgb(0, 150,  
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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