

Converting Colors

$Y_{xy}(22.3405, 0.2976, 0.5915)$

Have a look what the booklet for
Yxy(22.3405, 0.2976, 0.5915)
contains.

| | |
|---|----|
| Yxy(22.4910, 0.2977, 0.5918) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(22.4910, 0.2977, 0.5918)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 00980F |
| RGB | 0, 152, 15 |
| RGB Percent | 0%, 60%, 6% |
| CMY | 1.0000, 0.4039, 0.9409 |
| CMYK | 1.00, 0.00, 0.90, 0.40 |
| HSL | 126°, 100%, 30% |
| HSV | 126°, 100%, 60% |
| XYZ | 11.3139, 22.4910, 4.1995 |
| YIQ | 90.9340, -46.6150, -74.8310 |

Conversions

Conversions Part 2

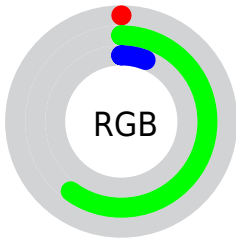
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 0, 138, 152 |
| Decimal | 38927 |
| CIE _{Lab} | 54.54, -58.11, 54.05 |
| CIE _{LCh} | 55, 79.365, 137.071 |
| Yxy | 22.4910, 0.2977, 0.5918 |
| Android (android.graphics.Color) | 4278229007 (0xFF00980F) |
| YUV | 90.9340, -37.4355, -79.7491 |
| Hunter-Lab | 47.4247, -40.4092, 27.9471 |

Details

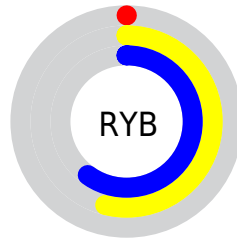
The Yxy color **22.4910, 0.2977, 0.5918** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.4798, 0.3471, 0.1686**, and the grayscale version is **10.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7574, 0.3098, 0.5288**, and **8.9237, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.4926, 0.2977, 0.5918**, and if you desaturate by 10%, it is **22.6487, 0.2971, 0.5777**.

Distribution



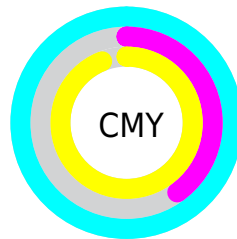
- Red (0%)
- Green (60%)
- Blue (6%)



- Red (0%)
- Yellow (54%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4910, 0.2977, 0.5918 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 22.4910, 0.2977, 0.5918 by changing the saturation by 10% instead.

 22.4910, 0.2977,
0.5918


 22.4910, 0.2977,
0.5918


265.0998, 0.3179,
0.4352


 14.2181, 0.2846,
0.6376


 47.5562, 0.3100,
0.5290

 8.2725, 0.2637,
0.7036


 65.1173, 0.3129,
0.5071

 4.2698, 0.2204,
0.7796


 86.5432, 0.3148,
0.4893

 1.8256, 0.0577,
0.9423

 112.2185, 0.3160,
0.4746

 0.5031, 0.0000,
1.0000


 142.5273, 0.3169,
0.4623


 0.0000, 0.0000,
0.0000


 177.8542, 0.3174,

0.4519


 218.5836, 0.3177,
0.4429


 22.4910, 0.2977,
0.5918


 22.4910, 0.2977,
0.5918

 22.4926, 0.2977,
0.5918

 22.6487, 0.2971,
0.5777

 22.9105, 0.2967,
0.5571

 23.3166, 0.2971,
0.5306

 23.8840, 0.2982,
0.5001

 24.6274, 0.3000,
0.4679

■ 25.5598, 0.3023,
0.4357

■ 26.6929, 0.3048,
0.4051

■ 28.0375, 0.3075,
0.3769

■ 29.6037, 0.3102,
0.3515

Harmonies

Analogous

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



22.4910, 0.4143, 0.5536



22.4910, 0.2977, 0.5918



22.4910, 0.1901, 0.4826

Triad

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



22.4910, 0.2977, 0.5918



22.4910, 0.1209, 0.1524



22.4910, 0.5407, 0.2916

Complementary

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



22.4910, 0.2977, 0.5918



8.4798, 0.3471, 0.1686

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.



22.4910, 0.4155, 0.2215



22.4910, 0.2977, 0.5918



22.4910, 0.1732, 0.1460

Square

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



22.4910, 0.2977, 0.5918



22.4910, 0.1048, 0.1983



22.4910, 0.2728, 0.1699



22.4910, 0.5734, 0.3693

Rectangle

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



22.4910, 0.2977, 0.5918



22.4910, 0.1401, 0.3624



22.4910, 0.2728, 0.1699



22.4910, 0.5067, 0.2671

Sweetspot

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



22.4926, 0.2977, 0.5918



46.9859, 0.3047, 0.4068



27.9759, 0.4050, 0.5166



10.4951, 0.3037, 0.4185



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.4926, 0.2977, 0.5918



39.6866, 0.2982, 0.5935



23.1736, 0.2638, 0.4695



6.9351, 0.3104, 0.3496



18.8608, 0.2975, 0.5911



0.2843, 0.2866, 0.5516

Inverse Universe

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



8.4798, 0.3471, 0.1686



14.9519, 0.3477, 0.1689



7.0385, 0.5274, 0.2679



6.3131, 0.3152, 0.3092



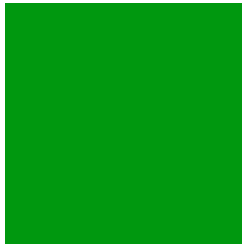
7.1122, 0.3470, 0.1685



0.1090, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 22.4910, 0.2977, 0.5918 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 22.4910, 0.2977, 0.5918 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

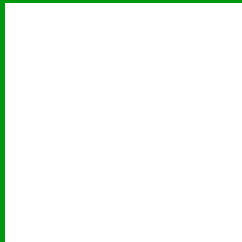
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4910, 0.2977, 0.5918

Background



This preview shows how black text looks on a background with the Yxy color 22.4910, 0.2977, 0.5918.



This preview shows how white text looks on a background with the Yxy color 22.4910, 0.2977, 0.5918.

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

22.4910, 0.2977, 0.5918

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

22.0798, 0.4562, 0.4476



Tritanopia

22.4396, 0.2370, 0.3058

Trichromacy



Original Color

22.4910, 0.2977, 0.5918



Protanomaly

20.5151, 0.3632, 0.5466



Deuteranomaly

20.0771, 0.3729, 0.5183



Tritanomaly

21.7015, 0.2619, 0.4214

Monochromacy



Original Color

22.4910, 0.2977, 0.5918



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

13.0687, 0.3011, 0.4603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4910, 0.2977, 0.5918 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, 152, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 15)  
}
```

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, 152, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 15) }
```

Border

The CSS property to change the border of an element to Yxy 22.4910, 0.2977, 0.5918 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, 152, 15) }
```

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

```
.border{ border-color:rgb(0, 152, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 15);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 15)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.4910, 0.2977, 0.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 15) }
```

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

```
.background{ background-color: rgb(0, 152,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor