

Converting Colors

$Y_{xy}(22.8040, 0.2986, 0.5949)$

Have a look what the booklet for
Yxy(22.8040, 0.2986, 0.5949)
contains.

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Color

Yxy(22.8044, 0.2986, 0.5949)

Conversions

Conversions Part 1

Format	Color
Hex	00990A
RGB	0, 153, 10
RGB Percent	0%, 60%, 4%
CMY	0.9997, 0.4000, 0.9612
CMYK	1.00, 0.00, 0.94, 0.40
HSL	124°, 100%, 30%
HSV	124°, 100%, 60%
XYZ	11.4463, 22.8044, 4.0825
YIQ	90.9510, -45.2850, -76.9090

Conversions

Conversions Part 2

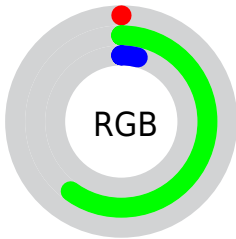
Format	Color
RYB	0, 144, 153
Decimal	39178
CIELab	54.87, -58.56, 55.25
CIELCh	55, 80.511, 136.667
Yxy	22.8044, 0.2986, 0.5949
Android (android.graphics.Color)	4278229258 (0xFF00990A)
YUV	90.9510, -39.9088, -79.7640
Hunter-Lab	47.7540, -40.7842, 28.3591

Details

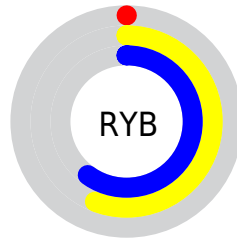
The Yxy color **22.8044, 0.2986, 0.5949** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.7627, 0.3375, 0.1633**, and the grayscale version is **10.5537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2192, 0.3105, 0.5318**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8047, 0.2986, 0.5949**, and if you desaturate by 10%, it is **22.9548, 0.2985, 0.5826**.

Distribution



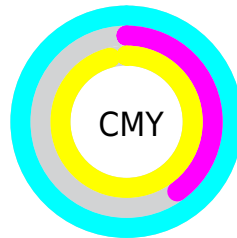
- Red (0%)
- Green (60%)
- Blue (4%)



- Red (0%)
- Yellow (56%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8044, 0.2986, 0.5949 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 22.8044, 0.2986, 0.5949 by changing the saturation by 10% instead.


 22.8044, 0.2986,
0.5949


 22.8044, 0.2986,
0.5949


266.7188, 0.3187,
0.4370


 14.4491, 0.2854,
0.6406


 48.0720, 0.3110,
0.5319


 8.4337, 0.2645,
0.7069


 65.7530, 0.3139,
0.5098

 4.3737, 0.2204,
0.7796

 87.3115, 0.3158,
0.4918

 1.8847, 0.0669,
0.9331

 113.1318, 0.3170,
0.4769

 0.5392, 0.0000,
1.0000

 143.5983, 0.3178,
0.4645


 0.0000, 0.0000,
0.0000

 179.0953, 0.3182,


0.4539


 220.0074, 0.3185,
0.4448


 22.8044, 0.2986,
0.5949


 22.8044, 0.2986,
0.5949


 22.8047, 0.2986,
0.5949

 22.9548, 0.2985,
0.5826

 23.2129, 0.2985,
0.5630

 23.6192, 0.2991,
0.5369

 24.1914, 0.3003,
0.5062

 24.9449, 0.3020,
0.4731

■ 25.8932, 0.3040,
0.4399

■ 27.0486, 0.3062,
0.4081

■ 28.4223, 0.3085,
0.3787

■ 30.0247, 0.3107,
0.3522

Harmonies

Analogous

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



22.8044, 0.4159, 0.5539



22.8044, 0.2986, 0.5949



22.8044, 0.1901, 0.4867

Triad

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



22.8044, 0.2986, 0.5949



22.8044, 0.1193, 0.1515



22.8044, 0.5416, 0.2900

Complementary

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



22.8044, 0.2986, 0.5949



8.7627, 0.3375, 0.1633

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.



22.8044, 0.4144, 0.2198



22.8044, 0.2986, 0.5949



22.8044, 0.1712, 0.1447

Square

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



22.8044, 0.2986, 0.5949



22.8044, 0.1035, 0.1981



22.8044, 0.2707, 0.1683



22.8044, 0.5756, 0.3678

Rectangle

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



22.8044, 0.2986, 0.5949



22.8044, 0.1395, 0.3649



22.8044, 0.2707, 0.1683



22.8044, 0.5069, 0.2655

Sweetspot

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



22.8053, 0.2986, 0.5949



48.2948, 0.3061, 0.4100



28.8354, 0.4108, 0.5120



10.4802, 0.3052, 0.4221



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.



22.8053, 0.2986, 0.5949



40.8293, 0.2990, 0.5963



23.4267, 0.2670, 0.4811



6.9317, 0.3108, 0.3505



18.8491, 0.2984, 0.5944



0.2833, 0.2910, 0.5676

Inverse Universe

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



8.7627, 0.3375, 0.1633



15.6787, 0.3378, 0.1635



7.2026, 0.5136, 0.2603



6.3168, 0.3147, 0.3084



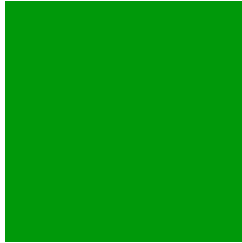
7.2423, 0.3373, 0.1632



0.1101, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 22.8044, 0.2986, 0.5949 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 22.8044, 0.2986, 0.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

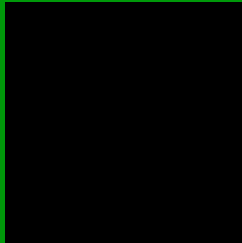
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8044, 0.2986, 0.5949

Background



This preview shows how black text looks on a background with the Yxy color 22.8044, 0.2986, 0.5949.



This preview shows how white text looks on a background with the Yxy color 22.8044, 0.2986, 0.5949.

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

22.8044, 0.2986, 0.5949

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.4233, 0.4573, 0.4496



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8044, 0.2986, 0.5949



Protanomaly

20.8537, 0.3637, 0.5469



Deuteranomaly

20.3412, 0.3733, 0.5220



Tritanomaly

21.9885, 0.2630, 0.4255

Monochromacy



Original Color

22.8044, 0.2986, 0.5949



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

13.2820, 0.3020, 0.4647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8044, 0.2986, 0.5949 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, 153, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 10)  
}
```

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, 153, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 10) }
```

Border

The CSS property to change the border of an element to Yxy 22.8044, 0.2986, 0.5949 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, 153, 10) }
```

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

```
.border{ border-color:rgb(0, 153, 10) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.8044, 0.2986, 0.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 10) }
```

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

```
.background{ background-color: rgb(0, 153,  
10) }
```

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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