

Converting Colors

$Yxy(22.9307, 0.3040, 0.5968)$

Have a look what the booklet for
Yxy(22.9307, 0.3040, 0.5968)
contains.

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Color

Yxy(22.9312, 0.3040, 0.5968)

Conversions

Conversions Part 1

Format	Color
Hex	149900
RGB	20, 153, 0
RGB Percent	8%, 60%, 0%
CMY	0.9213, 0.4000, 0.9998
CMYK	0.87, 0.00, 1.00, 0.40
HSL	112°, 100%, 30%
HSV	112°, 100%, 60%
XYZ	11.6808, 22.9312, 3.8116
YIQ	95.7910, -30.1550, -75.7790

Conversions

Conversions Part 2

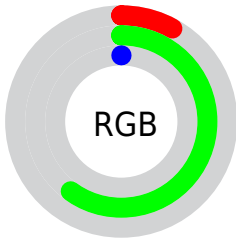
Format	Color
RYB	0, 153, 133
Decimal	1349888
CIELab	55.00, -57.45, 56.99
CIELCh	55, 80.924, 135.231
Yxy	22.9312, 0.3040, 0.5968
Android (android.graphics.Color)	4279539968 (0xFF149900)
YUV	95.7910, -47.2250, -66.4687
Hunter-Lab	47.8865, -40.2606, 28.8013

Details

The Yxy color **22.9312, 0.3040, 0.5968** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.2871, 0.2886, 0.1364**, and the grayscale version is **11.7721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4760, 0.3155, 0.5342**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.9316, 0.3040, 0.5968**, and if you desaturate by 10%, it is **23.1475, 0.3063, 0.5851**.

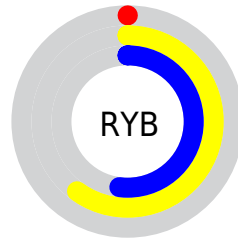
Distribution



Red (8%)

Green (60%)

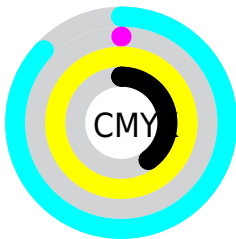
Blue (0%)



Red (0%)

Yellow (60%)

Blue (52%)

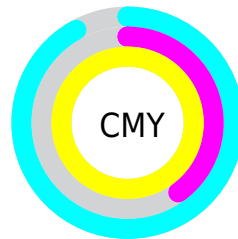


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (92%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9312, 0.3040, 0.5968 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 22.9312, 0.3040, 0.5968 by changing the saturation by 10% instead.


 22.9312, 0.3040,
0.5968


 22.9312, 0.3040,
0.5968


267.3714, 0.3217,
0.4386


 14.5427, 0.2911,
0.6417


 48.2803, 0.3157,
0.5341

 8.4991, 0.2715,
0.7089


 66.0098, 0.3183,
0.5120


 4.4159, 0.2261,
0.7739

 87.6216, 0.3198,
0.4939

 1.9088, 0.0844,
0.9156

 113.5004, 0.3208,
0.4790


 0.5537, 0.0000,
1.0000


 144.0303, 0.3213,
0.4664


 0.0000, 0.0000,
0.0000


 179.5959, 0.3216,


0.4558


 220.5814, 0.3217,
0.4466


 22.9312, 0.3040,
0.5968


 22.9312, 0.3040,
0.5968


 22.9316, 0.3040,
0.5968

 23.1475, 0.3063,
0.5851

 23.4760, 0.3090,
0.5671

 23.9388, 0.3112,
0.5421

 24.5487, 0.3130,
0.5119

 25.3169, 0.3140,
0.4788

■ 26.2536, 0.3146,
0.4451

■ 27.3680, 0.3146,
0.4123

■ 28.6688, 0.3142,
0.3816

■ 30.1639, 0.3135,
0.3538

Harmonies

Analogous

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



22.9312, 0.4214, 0.5502



22.9312, 0.3040, 0.5968



22.9312, 0.1942, 0.4956

Triad

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



22.9312, 0.3040, 0.5968



22.9312, 0.1174, 0.1523



22.9312, 0.5379, 0.2862

Complementary

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



22.9312, 0.3040, 0.5968



7.2871, 0.2886, 0.1364

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.



22.9312, 0.4074, 0.2165



22.9312, 0.3040, 0.5968



22.9312, 0.1674, 0.1440

Square

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



22.9312, 0.3040, 0.5968



22.9312, 0.1031, 0.2014



22.9312, 0.2645, 0.1661



22.9312, 0.5771, 0.3637

Rectangle

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



22.9312, 0.3040, 0.5968



22.9312, 0.1419, 0.3734



22.9312, 0.2645, 0.1661



22.9312, 0.5017, 0.2618

Sweetspot

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



22.9322, 0.3040, 0.5968



48.8780, 0.3146, 0.4143



23.4402, 0.4445, 0.4852



10.6162, 0.3146, 0.4267



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.



22.9322, 0.3040, 0.5968



41.0207, 0.3033, 0.5974



23.0699, 0.2832, 0.5396



6.9624, 0.3135, 0.3518



18.9613, 0.3043, 0.5966



0.2923, 0.3221, 0.5824

Inverse Universe

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



7.2871, 0.2886, 0.1364



12.9897, 0.2879, 0.1360



7.6350, 0.4384, 0.2189



6.2827, 0.3118, 0.3069



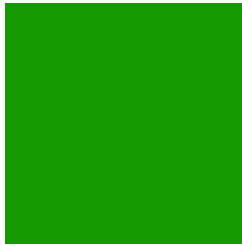
6.0314, 0.2888, 0.1365



0.1001, 0.3042, 0.1449

Previews

White Background



This preview shows how the Yxy color 22.9312, 0.3040, 0.5968 looks on a white background.

Color Contrast Check

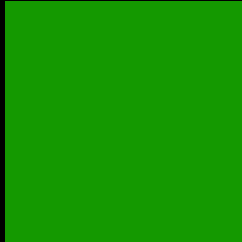
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9312, 0.3040, 0.5968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

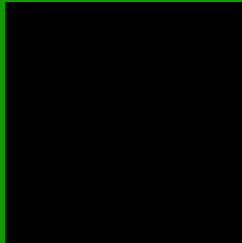
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9312, 0.3040, 0.5968

Background



This preview shows how black text looks on a background with the Yxy color 22.9312, 0.3040, 0.5968.



This preview shows how white text looks on a background with the Yxy color 22.9312, 0.3040, 0.5968.

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

22.9312, 0.3040, 0.5968

Protanopia

22.5285, 0.4406, 0.4883

Deuteranopia

22.5244, 0.4591, 0.4496



Tritanopia

22.8373, 0.2379, 0.3060

Trichromacy



Original Color

22.9312, 0.3040, 0.5968



Protanomaly

21.2319, 0.3728, 0.5422



Deuteranomaly

20.8268, 0.3849, 0.5178



Tritanomaly

22.0926, 0.2699, 0.4337

Monochromacy



Original Color

22.9312, 0.3040, 0.5968



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.2884, 0.3139, 0.4678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9312, 0.3040, 0.5968 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(20, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 153, 0)  
}
```

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(20, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.9312, 0.3040, 0.5968 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(20, 153, 0) }
```

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

```
.border{ border-color:rgb(20, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(20, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.9312, 0.3040, 0.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 153, 0) }
```

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

```
.background{ background-color: rgb(20, 153,  
0) }
```

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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