

Converting Colors

$Yxy(22.8035, 0.3006, 0.5995)$

Have a look what the booklet for
Yxy(22.8035, 0.3006, 0.5995)
contains.

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Color

Yxy(22.8018, 0.3005, 0.5996)

Conversions

Conversions Part 1

Format	Color
Hex	039900
RGB	3, 153, 0
RGB Percent	1%, 60%, 0%
CMY	0.9888, 0.4000, 0.9999
CMYK	0.98, 0.00, 1.00, 0.40
HSL	119°, 100%, 30%
HSV	119°, 100%, 60%
XYZ	11.4275, 22.8018, 3.7990
YIQ	90.7080, -40.2870, -79.3830

Conversions

Conversions Part 2

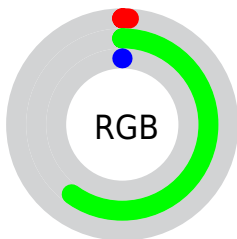
Format	Color
RYB	0, 153, 150
Decimal	235776
CIELab	54.87, -58.68, 56.83
CIELCh	55, 81.693, 135.919
Yxy	22.8018, 0.3005, 0.5996
Android (android.graphics.Color)	4278425856 (0xFF039900)
YUV	90.7080, -44.7190, -76.9199
Hunter-Lab	47.7512, -40.8472, 28.7088

Details

The Yxy color **22.8018, 0.3005, 0.5996** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.7997, 0.3164, 0.1516**, and the grayscale version is **10.4937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2168, 0.3126, 0.5360**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8026, 0.3005, 0.5996**, and if you desaturate by 10%, it is **22.9471, 0.3011, 0.5891**.

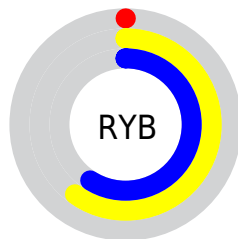
Distribution



Red (1%)

Green (60%)

Blue (0%)



Red (0%)

Yellow (60%)

Blue (59%)

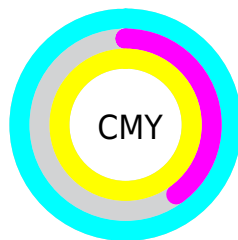


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (99%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8018, 0.3005, 0.5996 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 22.8018, 0.3005, 0.5996 by changing the saturation by 10% instead.


 22.8018, 0.3005,
0.5996


 22.8018, 0.3005,
0.5996


266.7054, 0.3203,
0.4393


 14.4472, 0.2870,
0.6453


 48.0677, 0.3130,
0.5360

 8.4324, 0.2666,
0.7140


 65.7478, 0.3159,
0.5135

 4.3728, 0.2199,
0.7801

 87.3052, 0.3177,
0.4952

 1.8842, 0.0654,
0.9346

 113.1242, 0.3188,
0.4801


 0.5389, 0.0000,
1.0000


 143.5894, 0.3195,
0.4674

 0.0000, 0.0000,
0.0000


 179.0851, 0.3199,


0.4566


 219.9956, 0.3202,
0.4473


 22.8018, 0.3005,
0.5996


 22.8018, 0.3005,
0.5996


 22.8026, 0.3005,
0.5996

 22.9471, 0.3011,
0.5891

 23.2028, 0.3022,
0.5720

 23.6071, 0.3036,
0.5471

 24.1779, 0.3051,
0.5164

 24.9306, 0.3067,
0.4823

■ 25.8788, 0.3082,
0.4474

■ 27.0349, 0.3096,
0.4136

■ 28.4101, 0.3108,
0.3822

■ 30.0150, 0.3118,
0.3540

Harmonies

Analogous

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



22.8018, 0.4188, 0.5538



22.8018, 0.3005, 0.5996



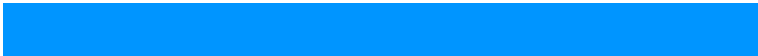
22.8018, 0.1906, 0.4938

Triad

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



22.8018, 0.3005, 0.5996



22.8018, 0.1167, 0.1503



22.8018, 0.5425, 0.2872

Complementary

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



22.8018, 0.3005, 0.5996



8.7997, 0.3164, 0.1516

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.



22.8018, 0.4119, 0.2169



22.8018, 0.3005, 0.5996



22.8018, 0.1678, 0.1428

Square

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



22.8018, 0.3005, 0.5996



22.8018, 0.1016, 0.1982



22.8018, 0.2668, 0.1657



22.8018, 0.5790, 0.3651

Rectangle

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



22.8018, 0.3005, 0.5996



22.8018, 0.1389, 0.3696



22.8018, 0.2668, 0.1657



22.8018, 0.5065, 0.2626

Sweetspot

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



22.8027, 0.3005, 0.5996



48.2767, 0.3095, 0.4156



27.9231, 0.4251, 0.5006



10.4759, 0.3090, 0.4284



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.



22.8027, 0.3005, 0.5996



40.8247, 0.3004, 0.5997



23.2446, 0.2748, 0.5093



6.9308, 0.3119, 0.3519



18.8461, 0.3006, 0.5996



0.2830, 0.3033, 0.5974

Inverse Universe

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



8.7997, 0.3164, 0.1516



15.7477, 0.3163, 0.1516



7.3765, 0.4790, 0.2412



6.3178, 0.3135, 0.3070



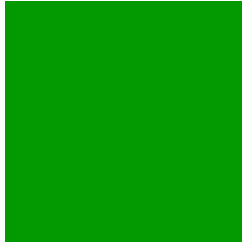
7.2736, 0.3164, 0.1517



0.1103, 0.3186, 0.1528

Previews

White Background



This preview shows how the Yxy color 22.8018, 0.3005, 0.5996 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 22.8018, 0.3005, 0.5996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

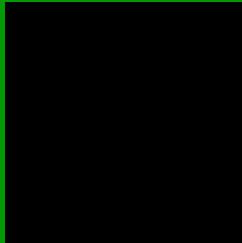
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8018, 0.3005, 0.5996

Background



This preview shows how black text looks on a background with the Yxy color 22.8018, 0.3005, 0.5996.



This preview shows how white text looks on a background with the Yxy color 22.8018, 0.3005, 0.5996.

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

22.8018, 0.3005, 0.5996

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.4176, 0.4579, 0.4504



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8018, 0.3005, 0.5996



Protanomaly

20.8981, 0.3657, 0.5478



Deuteranomaly

20.3853, 0.3761, 0.5243



Tritanomaly

21.9319, 0.2664, 0.4347

Monochromacy



Original Color

22.8018, 0.3005, 0.5996



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

13.2699, 0.3070, 0.4745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8018, 0.3005, 0.5996 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(3, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 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(3, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.8018, 0.3005, 0.5996 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(3, 153, 0) }
```

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

```
.border{ border-color:rgb(3, 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(3, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 153, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 153, 0); box-shadow:4px  
4px 4px 4px rgb(3, 153, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8018, 0.3005, 0.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 153, 0) }
```

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

```
.background{ background-color: rgb(3, 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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