

Converting Colors

$Y_{xy}(22.8689, 0.2945, 0.5803)$

Have a look what the booklet for
Yxy(22.8689, 0.2945, 0.5803)
contains.

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Color

Yxy(22.8712, 0.2944, 0.5798)

Conversions

Conversions Part 1

Format	Color
Hex	00991D
RGB	0, 153, 29
RGB Percent	0%, 60%, 11%
CMY	0.9998, 0.4000, 0.8864
CMYK	1.00, 0.00, 0.81, 0.40
HSL	131°, 100%, 30%
HSV	131°, 100%, 60%
XYZ	11.6131, 22.8712, 4.9624
YIQ	93.1170, -51.3840, -71.0000

Conversions

Conversions Part 2

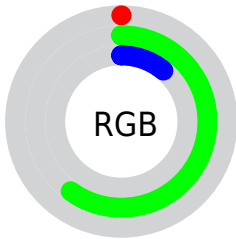
Format	Color
RYB	0, 129, 153
Decimal	39197
CIELab	54.94, -57.67, 50.87
CIELCh	55, 76.896, 138.583
Yxy	22.8712, 0.2944, 0.5798
Android (android.graphics.Color)	4278229277 (0xFF00991D)
YUV	93.1170, -31.6097, -81.6636
Hunter-Lab	47.8238, -40.3464, 27.3245

Details

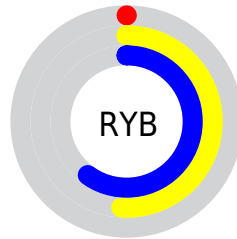
The Yxy color **22.8712, 0.2944, 0.5798** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.2311, 0.3745, 0.1837**, and the grayscale version is **11.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3649, 0.3063, 0.5195**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8716, 0.2944, 0.5798**, and if you desaturate by 10%, it is **23.0505, 0.2927, 0.5622**.

Distribution



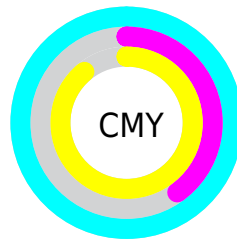
- Red (0%)
- Green (60%)
- Blue (11%)



- Red (0%)
- Yellow (51%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8712, 0.2944, 0.5798 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 22.8712, 0.2944, 0.5798 by changing the saturation by 10% instead.


 22.8712, 0.2944,
0.5798


 22.8712, 0.2944,
0.5798


267.0628, 0.3150,
0.4300

 14.4984, 0.2822,
0.6245

 48.1818, 0.3063,
0.5194


 8.4681, 0.2613,
0.6857


 65.8883, 0.3092,
0.4984


 4.3959, 0.2248,
0.7752

 87.4750, 0.3112,
0.4814

 1.8974, 0.0797,
0.9203

 113.3260, 0.3126,
0.4675

 0.5468, 0.0000,
1.0000

 143.8260, 0.3135,
0.4558

 0.0000, 0.0000,
0.0000

 179.3591, 0.3142,

0.4459

220.3099, 0.3147,
0.4374

■ 22.8712, 0.2944,
0.5798

■ 22.8712, 0.2944,
0.5798

■ 22.8716, 0.2944,
0.5798

■ 23.0505, 0.2927,
0.5622

■ 23.3335, 0.2915,
0.5396

■ 23.7586, 0.2916,
0.5129

■ 24.3421, 0.2927,
0.4838

■ 25.0980, 0.2949,
0.4540

■ 26.0386, 0.2979,
0.4248

■ 27.1754, 0.3013,
0.3972

■ 28.5186, 0.3051,
0.3719

■ 30.0779, 0.3089,
0.3491

Harmonies

Analogous

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



22.8712, 0.4084, 0.5520



22.8712, 0.2944, 0.5798



22.8712, 0.1902, 0.4679

Triad

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



22.8712, 0.2944, 0.5798



22.8712, 0.1272, 0.1559



22.8712, 0.5369, 0.2975

Complementary

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



22.8712, 0.2944, 0.5798



8.2311, 0.3745, 0.1837

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.



22.8712, 0.4194, 0.2278



22.8712, 0.2944, 0.5798



22.8712, 0.1808, 0.1510

Square

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



22.8712, 0.2944, 0.5798



22.8712, 0.1097, 0.1992



22.8712, 0.2807, 0.1758



22.8712, 0.5651, 0.3747

Rectangle

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



22.8712, 0.2944, 0.5798



22.8712, 0.1425, 0.3536



22.8712, 0.2807, 0.1758



22.8712, 0.5055, 0.2732

Sweetspot

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



22.8721, 0.2944, 0.5798



48.5281, 0.3011, 0.3989



27.1405, 0.3877, 0.5303



10.5349, 0.2997, 0.4093



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.



22.8721, 0.2944, 0.5798



40.9382, 0.2951, 0.5824



23.7947, 0.2539, 0.4340



6.9437, 0.3092, 0.3475



18.9062, 0.2941, 0.5788



0.2868, 0.2763, 0.5147

Inverse Universe

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



8.2311, 0.3745, 0.1837



14.7122, 0.3757, 0.1843



6.9911, 0.5665, 0.2895



6.3036, 0.3164, 0.3111



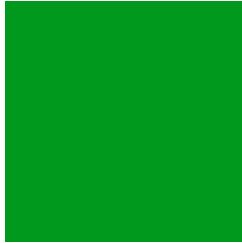
6.8061, 0.3740, 0.1834



0.1063, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 22.8712, 0.2944, 0.5798 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 22.8712, 0.2944, 0.5798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

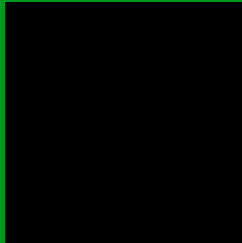
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8712, 0.2944, 0.5798

Background



This preview shows how black text looks on a background with the Yxy color 22.8712, 0.2944, 0.5798.



This preview shows how white text looks on a background with the Yxy color 22.8712, 0.2944, 0.5798.

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

22.8712, 0.2944, 0.5798

Protanopia

22.4975, 0.4331, 0.4799

Deuteranopia

22.4822, 0.4514, 0.4421



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8712, 0.2944, 0.5798



Protanomaly

20.9151, 0.3582, 0.5341



Deuteranomaly

20.4109, 0.3669, 0.5086



Tritanomaly

22.1333, 0.2580, 0.4092

Monochromacy



Original Color

22.8712, 0.2944, 0.5798



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.6335, 0.2952, 0.4452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8712, 0.2944, 0.5798 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 29) }
```

Border

The CSS property to change the border of an element to Yxy 22.8712, 0.2944, 0.5798 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, 29) }
```

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

```
.border{ border-color:rgb(0, 153, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.8712, 0.2944, 0.5798 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, 29) }
```

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

```
.background{ background-color: rgb(0, 153,  
29) }
```

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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