

Converting Colors

$Y_{xy}(13.8382, 0.2916, 0.5729)$

Have a look what the booklet for
Yxy(13.8382, 0.2916, 0.5729)
contains.

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Color

Yxy(13.7493, 0.2922, 0.5721)

Conversions

Conversions Part 1

Format	Color
Hex	00791A
RGB	0, 121, 26
RGB Percent	0%, 47%, 10%
CMY	1.0000, 0.5255, 0.8980
CMYK	1.00, 0.00, 0.79, 0.53
HSL	133°, 100%, 24%
HSV	133°, 100%, 47%
XYZ	7.0225, 13.7493, 3.2613
YIQ	73.9910, -41.6210, -55.1970

Conversions

Conversions Part 2

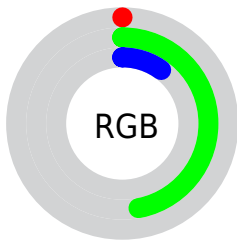
Format	Color
RYB	0, 100, 121
Decimal	31002
CIELab	43.87, -48.26, 41.11
CIELCh	44, 63.398, 139.570
Yxy	13.7493, 0.2922, 0.5721
Android (android.graphics.Color)	4278221082 (0xFF00791A)
YUV	73.9910, -23.6596, -64.8901
Hunter-Lab	37.0800, -31.0846, 20.7413

Details

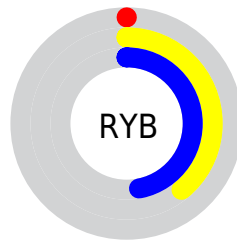
The Yxy color **13.7493, 0.2922, 0.5721** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.8916, 0.3814, 0.1875**, and the grayscale version is **6.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8155, 0.3051, 0.5053**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.7508, 0.2922, 0.5721**, and if you desaturate by 10%, it is **13.8795, 0.2909, 0.5528**.

Distribution



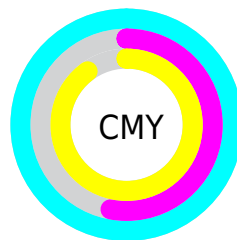
- Red (0%)
- Green (47%)
- Blue (10%)



- Red (0%)
- Yellow (39%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7493, 0.2922, 0.5721 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 13.7493, 0.2922, 0.5721 by changing the saturation by 10% instead.


 13.7493, 0.2922,
0.5721


 13.7493, 0.2922,
0.5721


215.6656, 0.3137,
0.4166


 7.9465, 0.2774,
0.6258


 32.6435, 0.3051,
0.5051

 4.0607, 0.2611,
0.7384

 46.5038, 0.3081,
0.4832

 1.7076, 0.1415,
0.8585

 63.8186, 0.3101,
0.4661

 0.4286, 0.0000,
1.0000


 84.9724, 0.3114,
0.4523

 0.0000, 0.0000,
0.0000

 110.3496, 0.3123,
0.4409

 140.3346, 0.3129,

0.4315


 175.3118, 0.3134,
0.4235

 13.7493, 0.2922,
0.5721

 13.7493, 0.2922,
0.5721

 13.7508, 0.2922,
0.5721

 13.8795, 0.2909,
0.5528

 14.0624, 0.2898,
0.5297

 14.3279, 0.2900,
0.5033

 14.6847, 0.2913,
0.4753

 15.1404, 0.2937,
0.4469

■ 15.7019, 0.2969,
0.4193

■ 16.3753, 0.3005,
0.3934

■ 17.1663, 0.3045,
0.3696

■ 18.0803, 0.3086,
0.3481

Harmonies

Analogous

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



13.7493, 0.4045, 0.5506



13.7493, 0.2922, 0.5721



13.7493, 0.1903, 0.4589

Triad

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



13.7493, 0.2922, 0.5721



13.7493, 0.1311, 0.1582



13.7493, 0.5346, 0.3011

Complementary

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



13.7493, 0.2922, 0.5721



4.8916, 0.3814, 0.1875

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.



13.7493, 0.4218, 0.2319



13.7493, 0.2922, 0.5721



13.7493, 0.1857, 0.1541

Square

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



13.7493, 0.2922, 0.5721



13.7493, 0.1128, 0.1998



13.7493, 0.2856, 0.1796



13.7493, 0.5598, 0.3780

Rectangle

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



13.7493, 0.2922, 0.5721



13.7493, 0.1440, 0.3483



13.7493, 0.2856, 0.1796



13.7493, 0.5047, 0.2770

Sweetspot

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



13.7508, 0.2922, 0.5721



29.2231, 0.3003, 0.3952



16.2069, 0.3856, 0.5320



6.5849, 0.2990, 0.4038



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.7508, 0.2922, 0.5721



24.6032, 0.2933, 0.5757



14.3274, 0.2516, 0.4258



4.4628, 0.3090, 0.3462



14.7330, 0.2924, 0.5726



70.1726, 0.2944, 0.5800

Inverse Universe

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



4.8916, 0.3814, 0.1875



8.7375, 0.3832, 0.1885



4.1946, 0.5672, 0.2898



4.0635, 0.3167, 0.3124



5.2398, 0.3817, 0.1876



24.8656, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 13.7493, 0.2922, 0.5721 looks on a white background.

Color Contrast Check

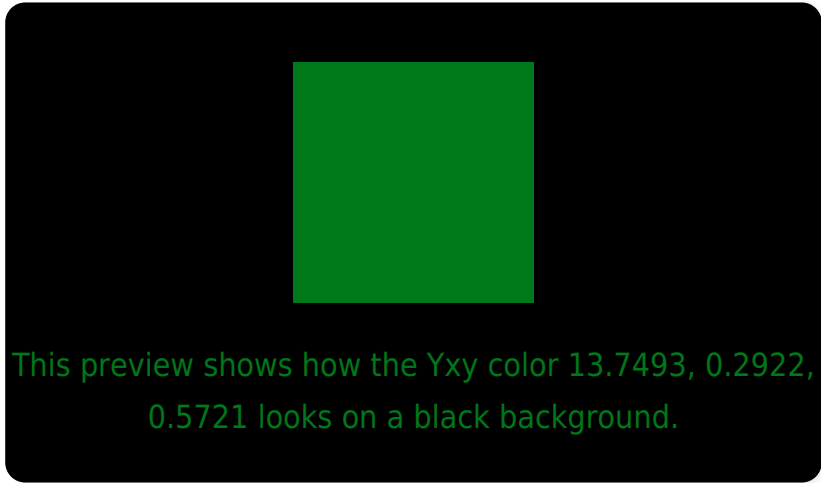
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 13.7493, 0.2922, 0.5721

Background



This preview shows how black text looks on a background with the Yxy color 13.7493, 0.2922, 0.5721.



This preview shows how white text looks on a background with the Yxy color 13.7493, 0.2922, 0.5721.

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

13.7493, 0.2922, 0.5721

Protanopia

13.6716, 0.4282, 0.4760

Deuteranopia

13.5299, 0.4457, 0.4389



Tritanopia

13.8935, 0.2377, 0.3077

Trichromacy



Original Color

13.7493, 0.2922, 0.5721



Protanomaly

12.6696, 0.3560, 0.5273



Deuteranomaly

12.2062, 0.3652, 0.5012



Tritanomaly

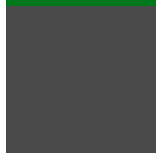
13.4860, 0.2577, 0.4060

Monochromacy



Original Color

13.7493, 0.2922, 0.5721



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

8.3819, 0.2940, 0.4360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7493, 0.2922, 0.5721 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, 121, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 26)  
}
```

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, 121, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 26) }
```

Border

The CSS property to change the border of an element to Yxy 13.7493, 0.2922, 0.5721 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, 121, 26) }
```

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

```
.border{ border-color:rgb(0, 121, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7493, 0.2922, 0.5721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 26) }
```

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

```
.background{ background-color: rgb(0, 121,  
26) }
```

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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