

Converting Colors

$Y_{xy}(15.0903, 0.2953, 0.5830)$

Have a look what the booklet for
Yxy(15.0903, 0.2953, 0.5830)
contains.

Yxy(14.9722, 0.2951, 0.5823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.9722, 0.2951, 0.5823)

Conversions

Conversions Part 1

Format	Color
Hex	007E14
RGB	0, 126, 20
RGB Percent	0%, 49%, 8%
CMY	0.9998, 0.5059, 0.9215
CMYK	1.00, 0.00, 0.84, 0.51
HSL	130°, 100%, 25%
HSV	130°, 100%, 49%
XYZ	7.5877, 14.9722, 3.1523
YIQ	76.2420, -41.0700, -59.6780

Conversions

Conversions Part 2

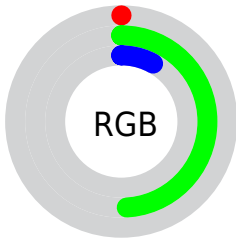
Format	Color
RYB	0, 109, 126
Decimal	32276
CIELab	45.60, -50.21, 44.79
CIELCh	46, 67.282, 138.266
Yxy	14.9722, 0.2951, 0.5823
Android (android.graphics.Color)	4278222356 (0xFF007E14)
YUV	76.2420, -27.7273, -66.8642
Hunter-Lab	38.6939, -32.7115, 22.2555

Details

The Yxy color **14.9722, 0.2951, 0.5823** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.4782, 0.3639, 0.1779**, and the grayscale version is **7.3351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8290, 0.3082, 0.5153**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.9723, 0.2951, 0.5824**, and if you desaturate by 10%, it is **15.1018, 0.2941, 0.5648**.

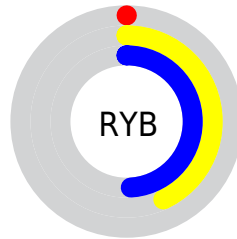
Distribution



Red (0%)

Green (49%)

Blue (8%)



Red (0%)

Yellow (43%)

Blue (49%)

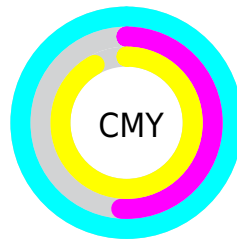


Cyan (100%)

Magenta (0%)

Yellow (84%)

Black (51%)



Cyan (100%)

Magenta (51%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9722, 0.2951, 0.5823 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 14.9722, 0.2951, 0.5823 by changing the saturation by 10% instead.


 14.9722, 0.2951,
0.5823


 14.9722, 0.2951,
0.5823


223.1979, 0.3159,
0.4224


 8.7999, 0.2802,
0.6352


 34.8044, 0.3081,
0.5145


 4.6109, 0.2618,
0.7382

 49.2331, 0.3110,
0.4920


 2.0208, 0.1705,
0.8295

 67.1826, 0.3128,
0.4743

 0.6195, 0.0000,
1.0000

 89.0375, 0.3140,
0.4599

 0.0000, 0.0000,
0.0000

 115.1821, 0.3148,
0.4480

 146.0007, 0.3153,


0.4381


 181.8779, 0.3157,
0.4297


 14.9722, 0.2951,
0.5823


 14.9722, 0.2951,
0.5823


 14.9723, 0.2951,
0.5824

 15.1018, 0.2941,
0.5648

 15.2935, 0.2933,
0.5423

 15.5775, 0.2936,
0.5155

 15.9641, 0.2948,
0.4862

 16.4618, 0.2969,
0.4560

■ 17.0786, 0.2996,
0.4264

■ 17.8214, 0.3027,
0.3984

■ 18.6967, 0.3060,
0.3727

■ 19.7107, 0.3094,
0.3495

Harmonies

Analogous

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



14.9722, 0.4096, 0.5524



14.9722, 0.2951, 0.5823



14.9722, 0.1902, 0.4708

Triad

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



14.9722, 0.2951, 0.5823



14.9722, 0.1259, 0.1552



14.9722, 0.5377, 0.2963

Complementary

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



14.9722, 0.2951, 0.5823



5.4782, 0.3639, 0.1779

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.



14.9722, 0.4186, 0.2265



14.9722, 0.2951, 0.5823



14.9722, 0.1793, 0.1500

Square

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



14.9722, 0.2951, 0.5823



14.9722, 0.1087, 0.1990



14.9722, 0.2790, 0.1746



14.9722, 0.5668, 0.3736

Rectangle

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



14.9722, 0.2951, 0.5823



14.9722, 0.1420, 0.3554



14.9722, 0.2790, 0.1746



14.9722, 0.5058, 0.2719

Sweetspot

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



14.9728, 0.2951, 0.5823



31.2641, 0.3025, 0.4004



18.0546, 0.3939, 0.5254



7.0047, 0.3014, 0.4098



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.9728, 0.2951, 0.5823



26.3395, 0.2959, 0.5852



15.5302, 0.2566, 0.4437



4.8290, 0.3097, 0.3476



15.3595, 0.2951, 0.5825



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4782, 0.3639, 0.1779



9.6233, 0.3651, 0.1785



4.6197, 0.5495, 0.2801



4.4011, 0.3159, 0.3110



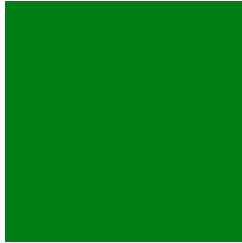
5.6182, 0.3640, 0.1779



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.9722, 0.2951, 0.5823 looks on a white background.

Color Contrast Check

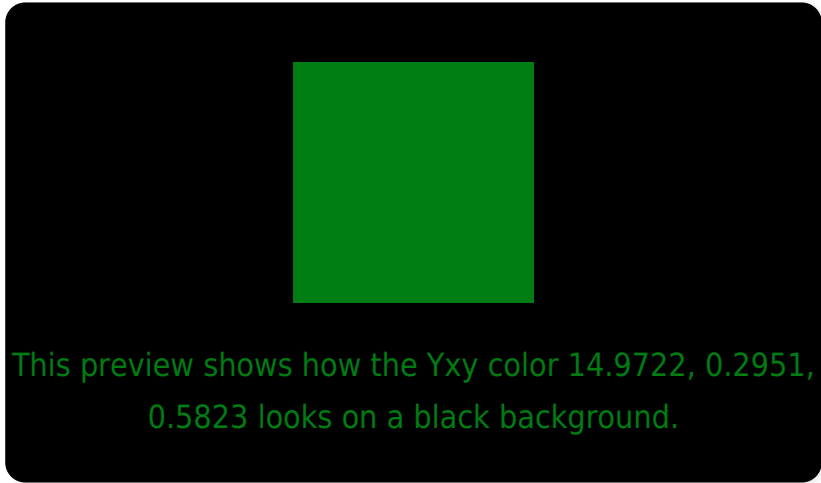
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9722, 0.2951, 0.5823

Background



This preview shows how black text looks on a background with the Yxy color 14.9722, 0.2951, 0.5823.



This preview shows how white text looks on a background with the Yxy color 14.9722, 0.2951, 0.5823.

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

14.9722, 0.2951, 0.5823

Protanopia

14.8246, 0.4334, 0.4818

Deuteranopia

14.7634, 0.4513, 0.4436



Tritanopia

15.0118, 0.2378, 0.3062

Trichromacy



Original Color

14.9722, 0.2951, 0.5823



Protanomaly

13.8797, 0.3589, 0.5361



Deuteranomaly

13.4312, 0.3695, 0.5099



Tritanomaly

14.4776, 0.2599, 0.4118

Monochromacy



Original Color

14.9722, 0.2951, 0.5823



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

8.9193, 0.2967, 0.4459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9722, 0.2951, 0.5823 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, 126, 20)` looks like.

```
.text, #text, p{  
  color:rgb(0, 126, 20)  
}
```

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, 126, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 20) }
```

Border

The CSS property to change the border of an element to Yxy 14.9722, 0.2951, 0.5823 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, 126, 20) }
```

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

```
.border{ border-color:rgb(0, 126, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.9722, 0.2951, 0.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 20) }
```

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

```
.background{ background-color: rgb(0, 126,  
20) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor