

Converting Colors

$Y_{xy}(14.0172, 0.3222, 0.5705)$

Have a look what the booklet for
Yxy(14.0172, 0.3222, 0.5705)
contains.

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Color

Yxy(14.0638, 0.3226, 0.5703)

Conversions

Conversions Part 1

Format	Color
Hex	2F780C
RGB	47, 120, 12
RGB Percent	18%, 47%, 5%
CMY	0.8156, 0.5294, 0.9532
CMYK	0.61, 0.00, 0.90, 0.53
HSL	101°, 82%, 26%
HSV	101°, 90%, 47%
XYZ	7.9554, 14.0638, 2.6411
YIQ	85.8610, -8.8400, -49.0640

Conversions

Conversions Part 2

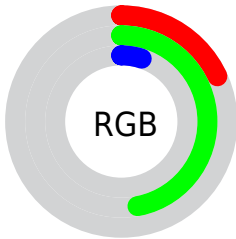
Format	Color
RYB	12, 120, 85
Decimal	3110924
CIELab	44.32, -41.30, 46.11
CIELCh	44, 61.906, 131.851
Yxy	14.0638, 0.3226, 0.5703
Android (android.graphics.Color)	4281301004 (0xFF2F780C)
YUV	85.8610, -36.4135, -34.0811
Hunter-Lab	37.5017, -27.7619, 22.0756

Details

The Yxy color **14.0638, 0.3226, 0.5703** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.5456, 0.2514, 0.1228**, and the grayscale version is **9.3551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1881, 0.3294, 0.5066**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.8636, 0.3187, 0.5851**, and if you desaturate by 10%, it is **14.3146, 0.3261, 0.5515**.

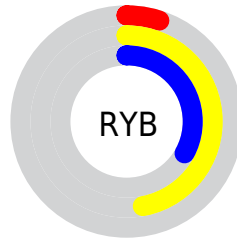
Distribution



Red (18%)

Green (47%)

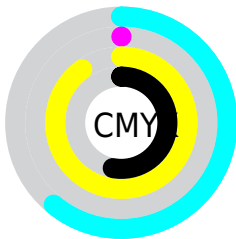
Blue (5%)



Red (5%)

Yellow (47%)

Blue (33%)

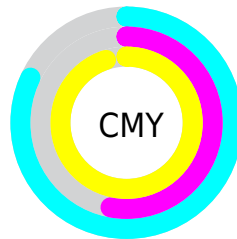


Cyan (61%)

Magenta (0%)

Yellow (90%)

Black (53%)



Cyan (82%)


Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0638, 0.3226, 0.5703 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 14.0638, 0.3226, 0.5703 by changing the saturation by 10% instead.


 14.0638, 0.3226,
0.5703


 14.0638, 0.3226,
0.5703


217.6274, 0.3271,
0.4193


 8.1651, 0.3120,
0.6187


 33.2022, 0.3292,
0.5070


 4.2007, 0.2963,
0.7037

 47.2106, 0.3298,
0.4858


 1.7865, 0.2183,
0.7817

 64.6911, 0.3297,
0.4689

 0.4787, 0.0000,
1.0000


 86.0279, 0.3294,
0.4551


 0.0000, 0.0000,
0.0000


 111.6056, 0.3289,
0.4438


 141.8085, 0.3283,


0.4343

 177.0209, 0.3277,
0.4262


 14.0638, 0.3226,
0.5703

 14.0638, 0.3226,
0.5703


 13.8636, 0.3187,
0.5851

 14.3146, 0.3261,
0.5515

 14.6245, 0.3281,
0.5274

 14.9984, 0.3287,
0.4994

 15.4400, 0.3279,
0.4692

 15.9529, 0.3260,
0.4383

■ 16.5402, 0.3233,
0.4082

■ 17.2051, 0.3201,
0.3796

■ 17.9502, 0.3165,
0.3532

■ 18.7784, 0.3127,
0.3291

Harmonies

Analogous

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



14.0638, 0.4311, 0.5272



14.0638, 0.3226, 0.5703



14.0638, 0.2170, 0.4929

Triad

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



14.0638, 0.3226, 0.5703



14.0638, 0.1271, 0.1686



14.0638, 0.5064, 0.2842

Complementary

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



14.0638, 0.3226, 0.5703



3.5456, 0.2514, 0.1228

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.



14.0638, 0.3838, 0.2190



14.0638, 0.3226, 0.5703



14.0638, 0.1711, 0.1560

Square

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



14.0638, 0.3226, 0.5703



14.0638, 0.1176, 0.2223



14.0638, 0.2571, 0.1738



14.0638, 0.5560, 0.3585

Rectangle

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



14.0638, 0.3226, 0.5703



14.0638, 0.1634, 0.3886



14.0638, 0.2571, 0.1738



14.0638, 0.4708, 0.2611

Sweetspot

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



14.0644, 0.3226, 0.5703



29.3570, 0.3226, 0.4012



10.3575, 0.4753, 0.4483



6.8862, 0.3234, 0.4091



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.



14.0644, 0.3226, 0.5703



24.3168, 0.3172, 0.5864



13.6045, 0.2936, 0.5626



4.5073, 0.3161, 0.3508



15.1169, 0.3185, 0.5853



71.6950, 0.3151, 0.5880

Inverse Universe

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



3.5456, 0.2514, 0.1228



5.3920, 0.2414, 0.1104



5.2139, 0.3602, 0.1828



4.0154, 0.3090, 0.3076



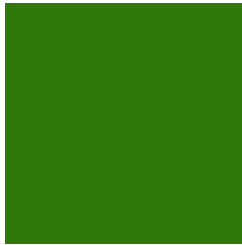
3.3824, 0.2429, 0.1112



15.6597, 0.2389, 0.1090

Previews

White Background



This preview shows how the Yxy color 14.0638, 0.3226, 0.5703 looks on a white background.

Color Contrast Check

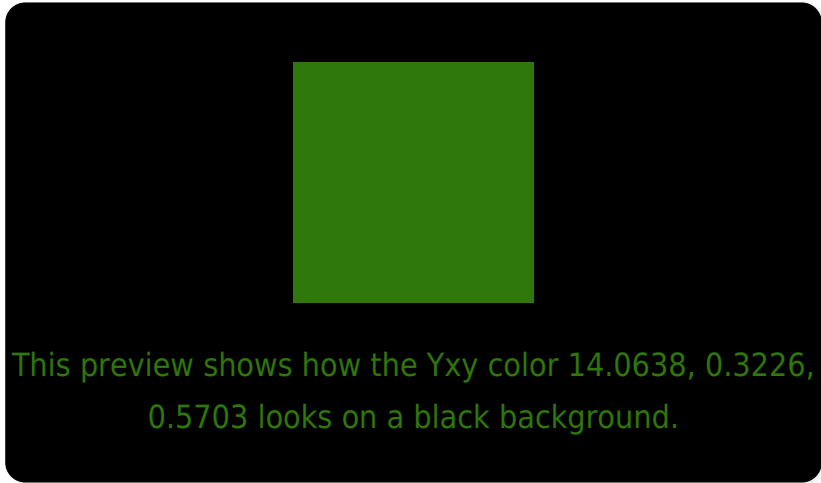
Large Text (above 18pt) WCAG AA ✓ Pass

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

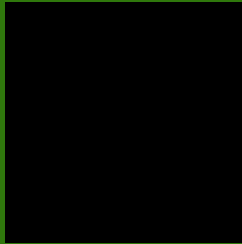
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0638, 0.3226, 0.5703

Background



This preview shows how black text looks on a background with the Yxy color 14.0638, 0.3226, 0.5703.



This preview shows how white text looks on a background with the Yxy color 14.0638, 0.3226, 0.5703.

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

14.0638, 0.3226, 0.5703

Protanopia

13.9613, 0.4381, 0.4878

Deuteranopia

13.8281, 0.4550, 0.4487



Tritanopia

14.1621, 0.2517, 0.3083

Trichromacy



Original Color

14.0638, 0.3226, 0.5703

Protanomaly

13.4403, 0.3900, 0.5229

Deuteranomaly

13.2826, 0.3992, 0.4974

Tritanomaly

13.8162, 0.2851, 0.4156

Monochromacy



Original Color

14.0638, 0.3226, 0.5703

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.4288, 0.3263, 0.4346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0638, 0.3226, 0.5703 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(47, 120, 12)` looks like.

```
.text, #text, p{  
    color:rgb(47, 120, 12)  
}
```

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(47, 120, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 120, 12) }
```

Border

The CSS property to change the border of an element to Yxy 14.0638, 0.3226, 0.5703 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(47, 120, 12) }
```

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

```
.border{ border-color:rgb(47, 120, 12) }
```

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

Here you see how a box with a 4 pixel rgb(47, 120, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 120, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 120, 12);  
box-shadow:4px 4px 4px 4px rgb(47, 120,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0638, 0.3226, 0.5703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 120, 12) }
```

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

```
.background{ background-color: rgb(47, 120,  
12) }
```

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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