

Converting Colors

$Y_{xy}(15.3773, 0.3022, 0.5526)$

Have a look what the booklet for
Yxy(15.3773, 0.3022, 0.5526)
contains.

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Color

Yxy(15.3773, 0.3022, 0.5526)

Conversions

Conversions Part 1

Format	Color
Hex	227E22
RGB	34, 126, 34
RGB Percent	13%, 49%, 13%
CMY	0.8667, 0.5059, 0.8665
CMYK	0.73, 0.00, 0.73, 0.51
HSL	120°, 58%, 31%
HSV	120°, 73%, 49%
XYZ	8.4094, 15.3773, 4.0405
YIQ	88.0040, -25.3000, -48.1160

Conversions

Conversions Part 2

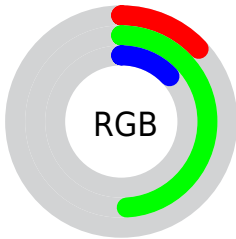
Format	Color
R_{YB}	34, 126, 126
Decimal	2260514
CIE _{Lab}	46.15, -45.08, 40.44
CIE _{LCh}	46, 60.557, 138.103
Yxy	15.3773, 0.3022, 0.5526
Android (android.graphics.Color)	4280450594 (0xFF227E22)
YUV	88.0040, -26.6240, -47.3615
Hunter-Lab	39.2139, -30.3452, 21.3406

Details

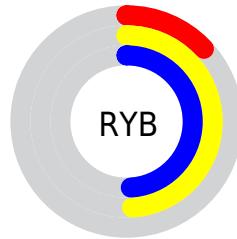
The Yxy color **15.3773, 0.3022, 0.5526** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.0846, 0.3200, 0.1752**, and the grayscale version is **9.8236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6623, 0.3118, 0.4934**, and **5.1689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.1419, 0.3011, 0.5758**, and if you desaturate by 10%, it is **15.7192, 0.3036, 0.5232**.

Distribution



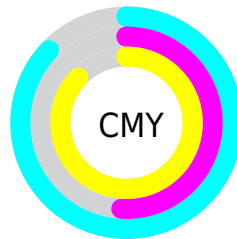
- Red (13%)
- Green (49%)
- Blue (13%)



- Red (13%)
- Yellow (49%)
- Blue (49%)



- Cyan (73%)
- Magenta (0%)
- Yellow (73%)
- Black (51%)




- Cyan (87%)
- Magenta (51%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3773, 0.3022, 0.5526 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 15.3773, 0.3022, 0.5526 by changing the saturation by 10% instead.


 15.3773, 0.3022,
0.5526


 15.3773, 0.3022,
0.5526

225.6387, 0.3164,
0.4121


 9.0846, 0.2913,
0.5999


 35.5137, 0.3114,
0.4929


 4.7964, 0.2745,
0.6795

 50.1263, 0.3134,
0.4732


 2.1283, 0.2195,
0.7805

 68.2809, 0.3146,
0.4576

 0.6805, 0.0000,
1.0000

 90.3619, 0.3153,
0.4450

 0.0000, 0.0000,
0.0000

 116.7538, 0.3158,
0.4346

 147.8410, 0.3161,

0.4259

184.0078, 0.3163,
0.4185

15.3773, 0.3022,
0.5526

15.3773, 0.3022,
0.5526

15.1419, 0.3011,
0.5758

15.7192, 0.3036,
0.5232

14.9984, 0.3004,
0.5913

16.1761, 0.3051,
0.4901

14.9225, 0.3000,
0.6000

16.7575, 0.3067,
0.4556

17.4718, 0.3083,
0.4219

18.3264, 0.3098,
0.3903

■ 19.3283, 0.3112,
0.3616

■ 20.4839, 0.3124,
0.3361

■ 21.7993, 0.3134,
0.3137

■ 23.2803, 0.3144,
0.2944

Harmonies

Analogous

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



15.3773, 0.4081, 0.5342



15.3773, 0.3022, 0.5526



15.3773, 0.2041, 0.4546

Triad

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



15.3773, 0.3022, 0.5526



15.3773, 0.1396, 0.1694



15.3773, 0.5142, 0.3017

Complementary

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



15.3773, 0.3022, 0.5526



7.0846, 0.3200, 0.1752

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.



15.3773, 0.4076, 0.2355



15.3773, 0.3022, 0.5526



15.3773, 0.1904, 0.1634

Square

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



15.3773, 0.3022, 0.5526



15.3773, 0.1237, 0.2126



15.3773, 0.2827, 0.1865



15.3773, 0.5446, 0.3758

Rectangle

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



15.3773, 0.3022, 0.5526



15.3773, 0.1579, 0.3553



15.3773, 0.2827, 0.1865



15.3773, 0.4851, 0.2785

Sweetspot

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



15.3779, 0.3022, 0.5526



32.3407, 0.3099, 0.3888



19.4736, 0.4064, 0.4840



7.2775, 0.3096, 0.3953



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.



15.3779, 0.3022, 0.5526



26.4591, 0.3006, 0.5875



15.8414, 0.2691, 0.4456



4.8188, 0.3117, 0.3512



15.3084, 0.3000, 0.6000



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.0846, 0.3200, 0.1752



10.9425, 0.3208, 0.1595



6.1584, 0.4250, 0.2463



4.4124, 0.3137, 0.3077



6.0943, 0.3210, 0.1542



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.3773, 0.3022, 0.5526 looks on a white background.

Color Contrast Check

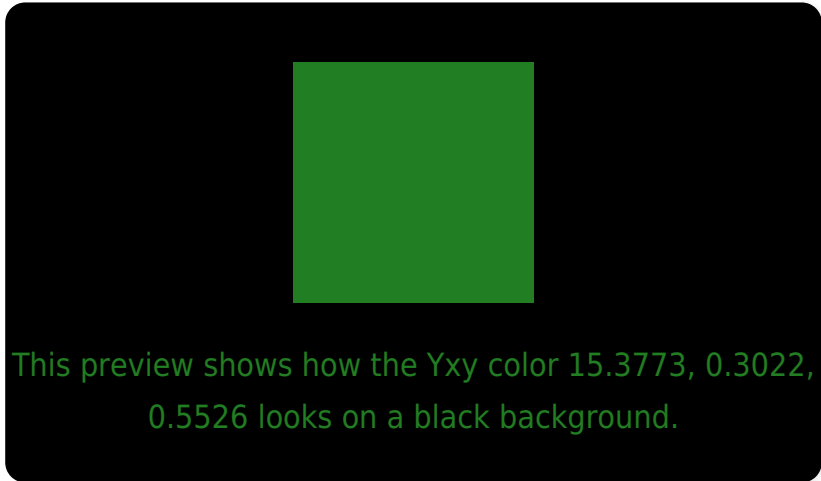
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3773, 0.3022, 0.5526

Background



This preview shows how black text looks on a background with the Yxy color 15.3773, 0.3022, 0.5526.



This preview shows how white text looks on a background with the Yxy color 15.3773, 0.3022, 0.5526.

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

15.3773, 0.3022, 0.5526

Protanopia

15.1686, 0.4247, 0.4692

Deuteranopia

15.0258, 0.4405, 0.4332



Tritanopia

15.4498, 0.2433, 0.3087

Trichromacy



Original Color

15.3773, 0.3022, 0.5526

Protanomaly

14.5341, 0.3695, 0.5069

Deuteranomaly

14.1188, 0.3781, 0.4807

Tritanomaly

15.1689, 0.2672, 0.3982

Monochromacy



Original Color

15.3773, 0.3022, 0.5526

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.1490, 0.3084, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3773, 0.3022, 0.5526 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(34, 126, 34)` looks like.

```
.text, #text, p{  
    color:rgb(34, 126, 34)  
}
```

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(34, 126, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 126, 34) }
```

Border

The CSS property to change the border of an element to Yxy 15.3773, 0.3022, 0.5526 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(34, 126, 34) }
```

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

```
.border{ border-color:rgb(34, 126, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 126, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 126, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 126, 34);  
box-shadow:4px 4px 4px 4px rgb(34, 126,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3773, 0.3022, 0.5526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 126, 34) }
```

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

```
.background{ background-color: rgb(34, 126,  
34) }
```

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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