

Converting Colors

$Y_{xy}(13.6511, 0.3025, 0.5472)$

Have a look what the booklet for
Yxy(13.6511, 0.3025, 0.5472)
contains.

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Color

Yxy(13.6492, 0.3025, 0.5472)

Conversions

Conversions Part 1

Format	Color
Hex	227722
RGB	34, 119, 34
RGB Percent	13%, 47%, 13%
CMY	0.8666, 0.5333, 0.8667
CMYK	0.71, 0.00, 0.71, 0.53
HSL	120°, 56%, 30%
HSV	120°, 71%, 47%
XYZ	7.5455, 13.6492, 3.7490
YIQ	83.8950, -23.3750, -44.4550

Conversions

Conversions Part 2

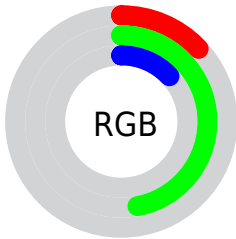
Format	Color
R_{YB}	34, 119, 119
Decimal	2258722
CIE _{Lab}	43.73, -42.55, 37.91
CIE _{LCh}	44, 56.985, 138.298
Yxy	13.6492, 0.3025, 0.5472
Android (android.graphics.Color)	4280448802 (0xFF227722)
YUV	83.8950, -24.5982, -43.7579
Hunter-Lab	36.9448, -28.1973, 19.8448

Details

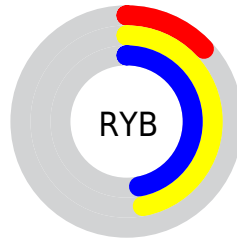
The Yxy color **13.6492, 0.3025, 0.5472** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.3951, 0.3198, 0.1777**, and the grayscale version is **8.8992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4049, 0.3118, 0.4875**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.4242, 0.3013, 0.5717**, and if you desaturate by 10%, it is **13.9692, 0.3039, 0.5171**.

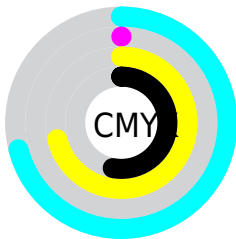
Distribution



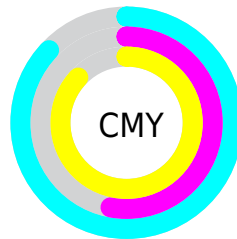
- Red (13%)
- Green (47%)
- Blue (13%)



- Red (13%)
- Yellow (47%)
- Blue (47%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (53%)




- Cyan (87%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6492, 0.3025, 0.5472 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 13.6492, 0.3025, 0.5472 by changing the saturation by 10% instead.


 13.6492, 0.3025,
0.5472


 13.6492, 0.3025,
0.5472


215.0374, 0.3161,
0.4080


 7.8771, 0.2916,
0.5958


 32.4653, 0.3114,
0.4871


 4.0164, 0.2772,
0.6870

 46.2780, 0.3133,
0.4676


 1.6827, 0.1942,
0.8058

 63.5398, 0.3145,
0.4523

 0.4124, 0.0000,
1.0000

 84.6349, 0.3152,
0.4399


 0.0000, 0.0000,
0.0000


 109.9479, 0.3156,
0.4298


 139.8630, 0.3158,


0.4214

 174.7647, 0.3160,
0.4142


 13.6492, 0.3025,
0.5472


 13.6492, 0.3025,
0.5472


 13.4242, 0.3013,
0.5717


 13.9692, 0.3039,
0.5171


 13.2823, 0.3005,
0.5887

 14.3911, 0.3055,
0.4837

 13.1942, 0.3000,
0.6000

 14.9234, 0.3071,
0.4494

 15.5729, 0.3086,
0.4162

 16.3461, 0.3101,
0.3852

■ 17.2490, 0.3114,
0.3572

■ 18.2870, 0.3126,
0.3323

■ 19.4655, 0.3136,
0.3106

■ 20.7894, 0.3145,
0.2917

Harmonies

Analogous

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



13.6492, 0.4069, 0.5313



13.6492, 0.3025, 0.5472



13.6492, 0.2059, 0.4508

Triad

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



13.6492, 0.3025, 0.5472



13.6492, 0.1423, 0.1718



13.6492, 0.5107, 0.3032

Complementary

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



13.6492, 0.3025, 0.5472



6.3951, 0.3198, 0.1777

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.



13.6492, 0.4067, 0.2375



13.6492, 0.3025, 0.5472



13.6492, 0.1929, 0.1659

Square

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



13.6492, 0.3025, 0.5472



13.6492, 0.1264, 0.2145



13.6492, 0.2842, 0.1890



13.6492, 0.5405, 0.3766

Rectangle

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



13.6492, 0.3025, 0.5472



13.6492, 0.1603, 0.3541



13.6492, 0.2842, 0.1890



13.6492, 0.4823, 0.2801

Sweetspot

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



13.6498, 0.3025, 0.5472



29.2567, 0.3101, 0.3855



16.8967, 0.4065, 0.4795



6.8568, 0.3098, 0.3921



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.



13.6498, 0.3025, 0.5472



23.8518, 0.3008, 0.5840



14.0429, 0.2707, 0.4458



4.0983, 0.3117, 0.3509



14.0178, 0.3000, 0.6000



68.3097, 0.3000, 0.6000

Inverse Universe

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



6.3951, 0.3198, 0.1777



9.9687, 0.3205, 0.1609



5.6141, 0.4164, 0.2448



3.7579, 0.3137, 0.3081



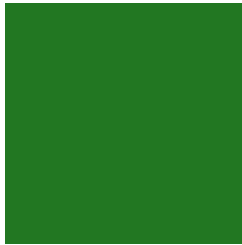
5.5787, 0.3208, 0.1541



27.1847, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 13.6492, 0.3025, 0.5472 looks on a white background.

Color Contrast Check

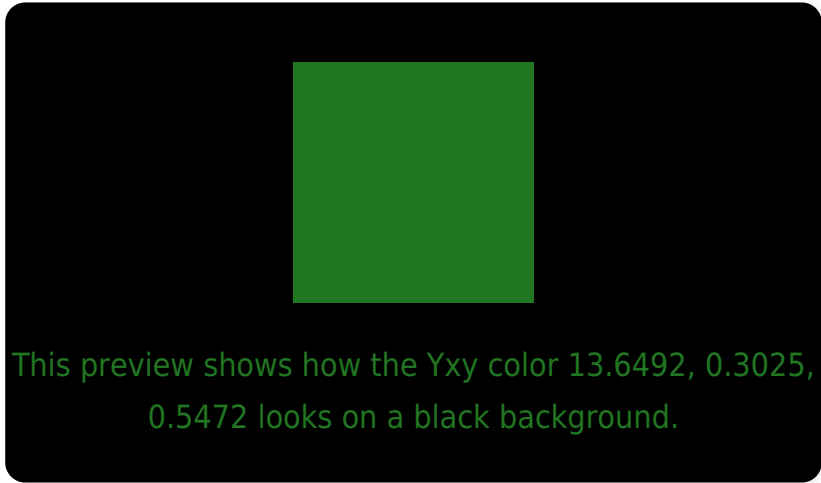
Large Text (above 18pt) WCAG AA ✓ Pass

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

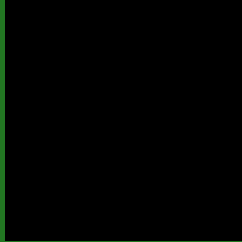
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6492, 0.3025, 0.5472

Background



This preview shows how black text looks on a background with the Yxy color 13.6492, 0.3025, 0.5472.



This preview shows how white text looks on a background with the Yxy color 13.6492, 0.3025, 0.5472.

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

13.6492, 0.3025, 0.5472

Protanopia

13.4391, 0.4224, 0.4670

Deuteranopia

13.4917, 0.4380, 0.4317



Tritanopia

13.6245, 0.2444, 0.3077

Trichromacy



Original Color

13.6492, 0.3025, 0.5472

Protanomaly

13.0146, 0.3693, 0.5030

Deuteranomaly

12.8342, 0.3778, 0.4783

Tritanomaly

13.4089, 0.2668, 0.3937

Monochromacy



Original Color

13.6492, 0.3025, 0.5472

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.1010, 0.3087, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6492, 0.3025, 0.5472 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, 119, 34)` looks like.

```
.text, #text, p{  
    color:rgb(34, 119, 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, 119, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 119, 34) }
```

Border

The CSS property to change the border of an element to Yxy 13.6492, 0.3025, 0.5472 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, 119, 34) }
```

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

```
.border{ border-color:rgb(34, 119, 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, 119, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 119, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 119, 34);  
box-shadow:4px 4px 4px 4px rgb(34, 119,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6492, 0.3025, 0.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 119, 34) }
```

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

```
.background{ background-color: rgb(34, 119,  
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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