

Converting Colors

$Y_{xy}(13.2132, 0.3038, 0.5273)$

Have a look what the booklet for
Yxy(13.2132, 0.3038, 0.5273)
contains.

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Color

Yxy(13.1223, 0.3034, 0.5267)

Conversions

Conversions Part 1

Format	Color
Hex	297429
RGB	41, 116, 41
RGB Percent	16%, 45%, 16%
CMY	0.8394, 0.5451, 0.8392
CMYK	0.65, 0.00, 0.65, 0.55
HSL	120°, 48%, 31%
HSV	120°, 65%, 45%
XYZ	7.5590, 13.1223, 4.2329
YIQ	85.0250, -20.6250, -39.2250

Conversions

Conversions Part 2

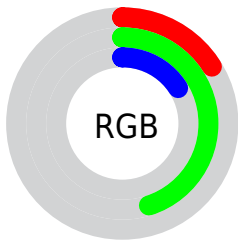
Format	Color
RYB	41, 116, 116
Decimal	2716713
CIELab	42.95, -39.06, 33.88
CIELCh	43, 51.708, 139.063
Yxy	13.1223, 0.3034, 0.5267
Android (android.graphics.Color)	4280906793 (0xFF297429)
YUV	85.0250, -21.7043, -38.6099
Hunter-Lab	36.2247, -26.1459, 18.4292

Details

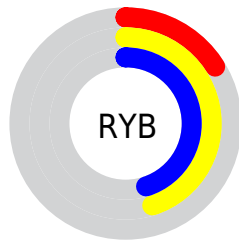
The Yxy color **13.1223, 0.3034, 0.5267** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.5564, 0.3194, 0.1879**, and the grayscale version is **9.1376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5840, 0.3114, 0.4725**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.8494, 0.3021, 0.5553**, and if you desaturate by 10%, it is **13.4905, 0.3049, 0.4941**.

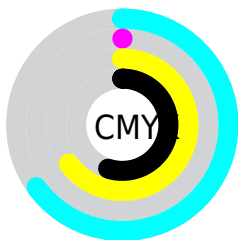
Distribution



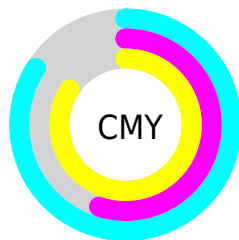
- Red (16%)
- Green (45%)
- Blue (16%)



- Red (16%)
- Yellow (45%)
- Blue (45%)



- Cyan (65%)
- Magenta (0%)
- Yellow (65%)
- Black (55%)





- Cyan (84%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1223, 0.3034, 0.5267 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 13.1223, 0.3034, 0.5267 by changing the saturation by 10% instead.


 13.1223, 0.3034,
0.5267


 13.1223, 0.3034,
0.5267


211.7000, 0.3150,
0.4001


 7.5128, 0.2942,
0.5722


 31.5233, 0.3109,
0.4716


 3.7848, 0.2799,
0.6517

 45.0837, 0.3125,
0.4538

 1.5539, 0.2083,
0.7917

 62.0631, 0.3135,
0.4400

 0.3262, 0.0000,
1.0000

 82.8459, 0.3141,
0.4288

 0.0000, 0.0000,
0.0000

 107.8167, 0.3145,
0.4197

 137.3597, 0.3147,

0.4121

171.8593, 0.3149,
0.4056

■ 13.1223, 0.3034,
0.5267

■ 13.1223, 0.3034,
0.5267

■ 12.8494, 0.3021,
0.5553

■ 13.4905, 0.3049,
0.4941

■ 12.6615, 0.3010,
0.5776

■ 13.9599, 0.3065,
0.4600

■ 12.5455, 0.3003,
0.5927

■ 14.5377, 0.3081,
0.4264

■ 12.4923, 0.3000,
0.5999

■ 15.2301, 0.3096,
0.3947

■ 16.0430, 0.3110,
0.3658

■ 16.9815, 0.3122,
0.3400

■ 18.0507, 0.3133,
0.3174

■ 19.2554, 0.3142,
0.2977

■ 20.6000, 0.3150,
0.2806

Harmonies

Analogous

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



13.1223, 0.4016, 0.5193



13.1223, 0.3034, 0.5267



13.1223, 0.2127, 0.4367

Triad

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



13.1223, 0.3034, 0.5267



13.1223, 0.1531, 0.1813



13.1223, 0.4969, 0.3084

Complementary

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



13.1223, 0.3034, 0.5267



6.5564, 0.3194, 0.1879

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.



13.1223, 0.4026, 0.2453



13.1223, 0.3034, 0.5267



13.1223, 0.2027, 0.1758

Square

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



13.1223, 0.3034, 0.5267



13.1223, 0.1373, 0.2219



13.1223, 0.2896, 0.1984



13.1223, 0.5246, 0.3791

Rectangle

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



13.1223, 0.3034, 0.5267



13.1223, 0.1697, 0.3500



13.1223, 0.2896, 0.1984



13.1223, 0.4712, 0.2862

Sweetspot

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



13.1228, 0.3034, 0.5267



27.4865, 0.3103, 0.3793



16.3653, 0.3987, 0.4711



6.4799, 0.3100, 0.3860



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.1228, 0.3034, 0.5267



22.3924, 0.3015, 0.5680



13.5197, 0.2712, 0.4288



4.0982, 0.3117, 0.3509



14.0177, 0.3000, 0.5999



68.3094, 0.3000, 0.6000

Inverse Universe

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



6.5564, 0.3194, 0.1879



9.8340, 0.3204, 0.1681



5.8535, 0.4051, 0.2526



3.7579, 0.3137, 0.3081



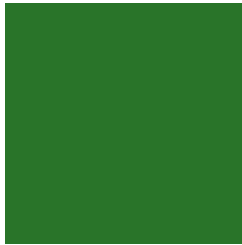
5.5799, 0.3211, 0.1542



27.1909, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.1223, 0.3034, 0.5267 looks on a white background.

Color Contrast Check

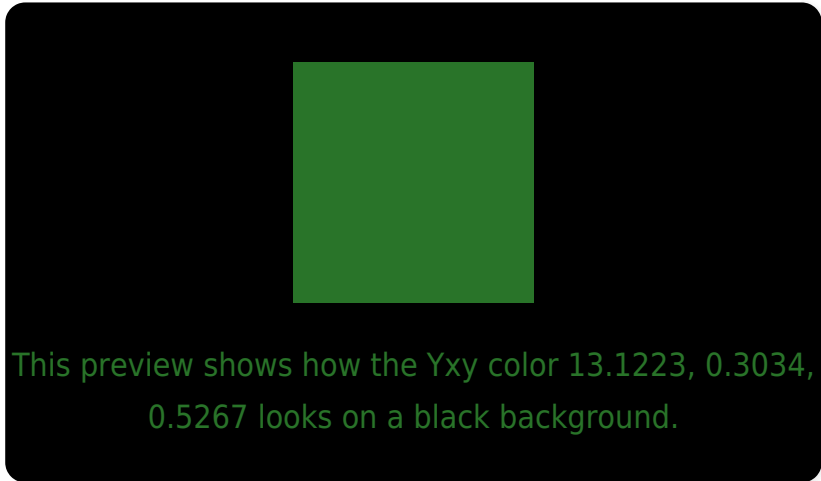
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1223, 0.3034, 0.5267

Background



This preview shows how black text looks on a background with the Yxy color 13.1223, 0.3034, 0.5267.



This preview shows how white text looks on a background with the Yxy color 13.1223, 0.3034, 0.5267.

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

13.1223, 0.3034, 0.5267

Protanopia

12.9516, 0.4157, 0.4564

Deuteranopia

12.9310, 0.4302, 0.4229



Tritanopia

13.1823, 0.2478, 0.3099

Trichromacy



Original Color

13.1223, 0.3034, 0.5267

Protanomaly

12.4742, 0.3678, 0.4863

Deuteranomaly

12.2696, 0.3746, 0.4624

Tritanomaly

13.0665, 0.2696, 0.3886

Monochromacy



Original Color

13.1223, 0.3034, 0.5267

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.0606, 0.3092, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1223, 0.3034, 0.5267 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(41, 116, 41)` looks like.

```
.text, #text, p{  
    color:rgb(41, 116, 41)  
}
```

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(41, 116, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 116, 41) }
```

Border

The CSS property to change the border of an element to Yxy 13.1223, 0.3034, 0.5267 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(41, 116, 41) }
```

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

```
.border{ border-color:rgb(41, 116, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 116, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 116, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 116, 41);  
box-shadow:4px 4px 4px 4px rgb(41, 116,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1223, 0.3034, 0.5267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 116, 41) }
```

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

```
.background{ background-color: rgb(41, 116,  
41) }
```

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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