

Converting Colors

$Y_{xy}(12.2024, 0.2914, 0.4994)$

Have a look what the booklet for
Yxy(12.2024, 0.2914, 0.4994)
contains.

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Color

Yxy(12.2024, 0.2914, 0.4994)

Conversions

Conversions Part 1

Format	Color
Hex	247033
RGB	36, 112, 51
RGB Percent	14%, 44%, 20%
CMY	0.8587, 0.5608, 0.8000
CMYK	0.68, 0.00, 0.54, 0.56
HSL	132°, 51%, 29%
HSV	132°, 68%, 44%
XYZ	7.1201, 12.2024, 5.1116
YIQ	82.3220, -25.7150, -35.0830

Conversions

Conversions Part 2

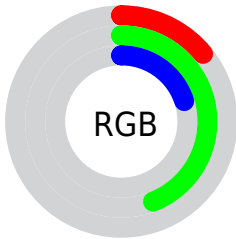
Format	Color
R_{YB}	36, 99, 112
Decimal	2388019
CIE _{Lab}	41.54, -37.22, 27.05
CIE _{LCh}	42, 46.016, 143.994
Yxy	12.2024, 0.2914, 0.4994
Android (android.graphics.Color)	4280578099 (0xFF247033)
YUV	82.3220, -15.4417, -40.6244
Hunter-Lab	34.9319, -24.7476, 15.7764

Details

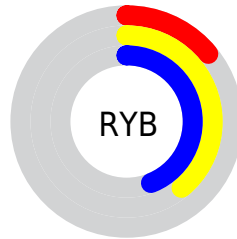
The Yxy color **12.2024, 0.2914, 0.4994** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.5724, 0.3516, 0.2068**, and the grayscale version is **8.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0353, 0.3006, 0.4510**, and **3.5638, 0.2964, 0.5870** is the 20% darker color. If you saturate the color by 10%, you get **11.9600, 0.2909, 0.5264**, and if you desaturate by 10%, it is **12.5243, 0.2930, 0.4709**.

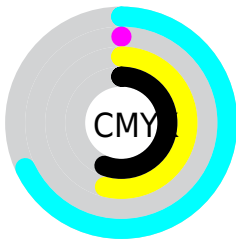
Distribution



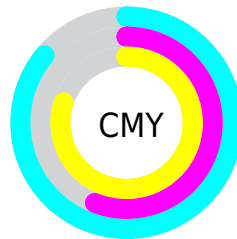
- Red (14%)
- Green (44%)
- Blue (20%)



- Red (14%)
- Yellow (39%)
- Blue (44%)



- Cyan (68%)
- Magenta (0%)
- Yellow (54%)
- Black (56%)



- Cyan (86%)
- Magenta (56%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2024, 0.2914, 0.4994 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 12.2024, 0.2914, 0.4994 by changing the saturation by 10% instead.

■ 12.2024, 0.2914,
0.4994

■ 12.2024, 0.2914,
0.4994

205.7407, 0.3086,
0.3891

■ 6.8817, 0.2818,
0.5411

■ 29.8632, 0.3005,
0.4506

■ 3.3882, 0.2642,
0.6091

■ 42.9721, 0.3029,
0.4352

■ 1.3376, 0.1857,
0.8143

■ 59.4458, 0.3046,
0.4232

■ 0.1700, 0.0000,
1.0000

■ 79.6687, 0.3058,
0.4136

■ 0.0000, 0.0000,
0.0000

■ 104.0253, 0.3068,
0.4058

■ 132.8999, 0.3075,

0.3993

166.6769, 0.3081,
0.3938

■ 12.2024, 0.2914,
0.4994

■ 12.2024, 0.2914,
0.4994

■ 11.9600, 0.2909,
0.5264

■ 12.5243, 0.2930,
0.4709

■ 11.7885, 0.2915,
0.5504

■ 12.9303, 0.2955,
0.4423

■ 11.6699, 0.2927,
0.5703

■ 13.4265, 0.2986,
0.4146

■ 11.6464, 0.2928,
0.5742

■ 14.0180, 0.3021,
0.3888

■ 14.7093, 0.3059,
0.3652

■ 15.5048, 0.3097,
0.3440

■ 16.4087, 0.3135,
0.3251

■ 17.4249, 0.3172,
0.3085

■ 18.5570, 0.3207,
0.2940

Harmonies

Analogous

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



12.2024, 0.3833, 0.5103



12.2024, 0.2914, 0.4994



12.2024, 0.2101, 0.4076

Triad

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



12.2024, 0.2914, 0.4994



12.2024, 0.1693, 0.1889



12.2024, 0.4901, 0.3224

Complementary

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



12.2024, 0.2914, 0.4994



5.5724, 0.3516, 0.2068

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.



12.2024, 0.4119, 0.2608



12.2024, 0.2914, 0.4994



12.2024, 0.2220, 0.1878

Square

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



12.2024, 0.2914, 0.4994



12.2024, 0.1492, 0.2220



12.2024, 0.3083, 0.2132



12.2024, 0.5061, 0.3903

Rectangle

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



12.2024, 0.2914, 0.4994



12.2024, 0.1734, 0.3309



12.2024, 0.3083, 0.2132



12.2024, 0.4699, 0.3009

Sweetspot

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



12.2029, 0.2914, 0.4994



25.4954, 0.3049, 0.3713



14.3165, 0.3805, 0.4883



6.0605, 0.3040, 0.3764



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2029, 0.2914, 0.4994



20.8367, 0.2911, 0.5396



12.6676, 0.2574, 0.3937



3.7730, 0.3093, 0.3463



13.4612, 0.2931, 0.5753



66.9552, 0.2952, 0.5828

Inverse Universe

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



5.5724, 0.3516, 0.2068



8.2731, 0.3629, 0.1916



5.0358, 0.4518, 0.2798



3.4428, 0.3163, 0.3123



4.8314, 0.3756, 0.1843



23.9442, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 12.2024, 0.2914, 0.4994 looks on a white background.

Color Contrast Check

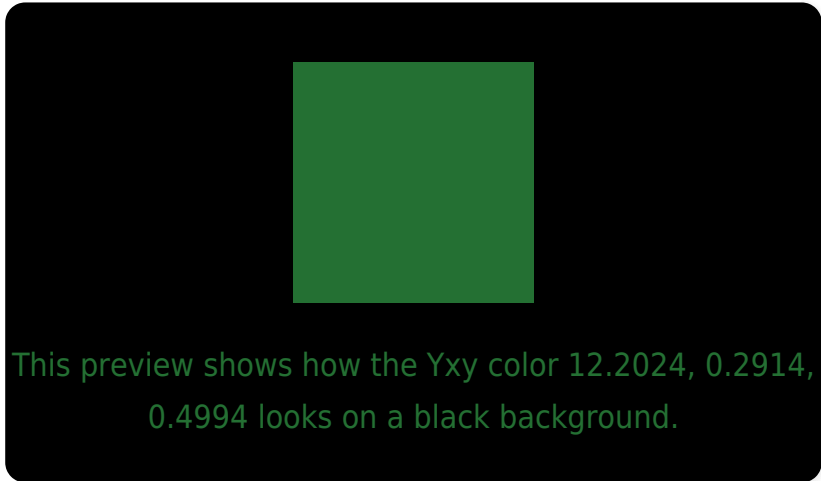
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2024, 0.2914, 0.4994

Background



This preview shows how black text looks on a background with the Yxy color 12.2024, 0.2914, 0.4994.



This preview shows how white text looks on a background with the Yxy color 12.2024, 0.2914, 0.4994.

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

12.2024, 0.2914, 0.4994

Protanopia

12.1208, 0.4015, 0.4406

Deuteranopia

12.0362, 0.4121, 0.4054



Tritanopia

12.1303, 0.2444, 0.3067

Trichromacy



Original Color

12.2024, 0.2914, 0.4994

Protanomaly

11.7077, 0.3523, 0.4653

Deuteranomaly

11.5045, 0.3584, 0.4414

Tritanomaly

12.1088, 0.2617, 0.3741

Monochromacy



Original Color

12.2024, 0.2914, 0.4994

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.4075, 0.3009, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2024, 0.2914, 0.4994 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(36, 112, 51)` looks like.

```
.text, #text, p{  
    color:rgb(36, 112, 51)  
}
```

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(36, 112, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 112, 51) }
```

Border

The CSS property to change the border of an element to Yxy 12.2024, 0.2914, 0.4994 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(36, 112, 51) }
```

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

```
.border{ border-color:rgb(36, 112, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 112, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 112, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 112, 51);  
box-shadow:4px 4px 4px 4px rgb(36, 112,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2024, 0.2914, 0.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 112, 51) }
```

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

```
.background{ background-color: rgb(36, 112,  
51) }
```

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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