

Converting Colors

$Y_{xy}(13.7558, 0.3020, 0.5331)$

Have a look what the booklet for
Yxy(13.7558, 0.3020, 0.5331)
contains.

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Color

Yxy(13.7782, 0.3024, 0.5330)

Conversions

Conversions Part 1	
Format	Color
Hex	277728
RGB	39, 119, 40
RGB Percent	15%, 47%, 16%
CMY	0.8470, 0.5333, 0.8431
CMYK	0.67, 0.00, 0.66, 0.53
HSL	121°, 51%, 31%
HSV	121°, 67%, 47%
XYZ	7.8171, 13.7782, 4.2550
YIQ	86.0740, -22.3210, -41.5290

Conversions

Conversions Part 2

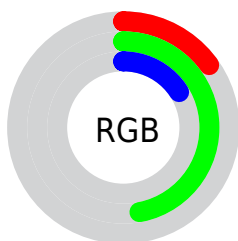
Format	Color
RYB	39, 118, 119
Decimal	2586408
CIELab	43.91, -40.81, 35.43
CIELCh	44, 54.040, 139.035
Yxy	13.7782, 0.3024, 0.5330
Android (android.graphics.Color)	4280776488 (0xFF277728)
YUV	86.0740, -22.7145, -41.2839
Hunter-Lab	37.1190, -27.3668, 19.1869

Details

The Yxy color **13.7782, 0.3024, 0.5330** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.6829, 0.3214, 0.1851**, and the grayscale version is **9.3768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6592, 0.3103, 0.4763**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.5135, 0.3012, 0.5603**, and if you desaturate by 10%, it is **14.1413, 0.3039, 0.5013**.

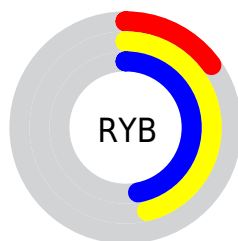
Distribution



Red (15%)

Green (47%)

Blue (16%)



Red (15%)

Yellow (46%)

Blue (47%)

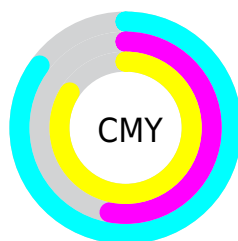


Cyan (67%)

Magenta (0%)

Yellow (66%)

Black (53%)



Cyan (85%)

Magenta (53%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7782, 0.3024, 0.5330 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 13.7782, 0.3024, 0.5330 by changing the saturation by 10% instead.


 13.7782, 0.3024,
0.5330


 13.7782, 0.3024,
0.5330

215.8466, 0.3150,
0.4030


 7.9666, 0.2928,
0.5789


 32.6950, 0.3104,
0.4768


 4.0736, 0.2773,
0.6573


 46.5689, 0.3122,
0.4586

 1.7148, 0.2143,
0.7857

 63.8990, 0.3133,
0.4443

 0.4332, 0.0000,
1.0000

 85.0697, 0.3139,
0.4328

 0.0000, 0.0000,
0.0000

 110.4654, 0.3144,
0.4233


 140.4706, 0.3147,


0.4154


175.4695, 0.3149,
0.4088


 13.7782, 0.3024,
0.5330

 13.7782, 0.3024,
0.5330


 13.5135, 0.3012,
0.5603


 14.1413, 0.3039,
0.5013


 13.3361, 0.3004,
0.5811


 14.6093, 0.3055,
0.4675

 13.2256, 0.2998,
0.5950

 15.1901, 0.3072,
0.4338

 13.1970, 0.2996,
0.5987

 15.8903, 0.3088,
0.4018

 16.7161, 0.3104,
0.3724

■ 17.6732, 0.3118,
0.3461

■ 18.7670, 0.3131,
0.3228

■ 20.0026, 0.3142,
0.3026

■ 21.3847, 0.3152,
0.2851

Harmonies

Analogous

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



13.7782, 0.4027, 0.5237



13.7782, 0.3024, 0.5330



13.7782, 0.2099, 0.4402

Triad

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



13.7782, 0.3024, 0.5330



13.7782, 0.1498, 0.1780



13.7782, 0.5019, 0.3073

Complementary

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



13.7782, 0.3024, 0.5330



6.6829, 0.3214, 0.1851

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.



13.7782, 0.4049, 0.2432



13.7782, 0.3024, 0.5330



13.7782, 0.2000, 0.1726

Square

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



13.7782, 0.3024, 0.5330



13.7782, 0.1337, 0.2190



13.7782, 0.2887, 0.1956



13.7782, 0.5297, 0.3790

Rectangle

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



13.7782, 0.3024, 0.5330



13.7782, 0.1663, 0.3503



13.7782, 0.2887, 0.1956



13.7782, 0.4755, 0.2848

Sweetspot

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



13.7788, 0.3024, 0.5330



29.4202, 0.3099, 0.3818



17.2624, 0.4012, 0.4753



6.8918, 0.3095, 0.3884



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.



13.7788, 0.3024, 0.5330



23.9950, 0.3007, 0.5733



14.1902, 0.2705, 0.4338



4.0989, 0.3115, 0.3506



14.0208, 0.2996, 0.5987



68.3158, 0.2999, 0.5995

Inverse Universe

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



6.6829, 0.3214, 0.1851



10.2625, 0.3228, 0.1664



5.9391, 0.4109, 0.2504



3.7572, 0.3139, 0.3083



5.5448, 0.3239, 0.1558



27.0106, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 13.7782, 0.3024, 0.5330 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



This preview shows how the Yxy color 13.7782, 0.3024, 0.5330 looks on a 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 13.7782, 0.3024, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 13.7782, 0.3024, 0.5330.



This preview shows how white text looks on a background with the Yxy color 13.7782, 0.3024, 0.5330.

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

13.7782, 0.3024, 0.5330

Protanopia

13.4727, 0.4172, 0.4593

Deuteranopia

13.5298, 0.4322, 0.4243



Tritanopia

13.6856, 0.2460, 0.3078

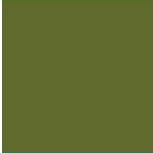
Trichromacy



Original Color
13.7782, 0.3024, 0.5330



Protanomaly
13.0971, 0.3660, 0.4925



Deuteranomaly
12.9767, 0.3760, 0.4677

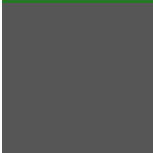


Tritanomaly
13.5200, 0.2674, 0.3879

Monochromacy



Original Color
13.7782, 0.3024, 0.5330



Achromatopsia
9.3059, 0.3127, 0.3290



Achromatomaly
10.4302, 0.3090, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7782, 0.3024, 0.5330 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(39, 119, 40)` looks like.

```
.text, #text, p{  
    color:rgb(39, 119, 40)  
}
```

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(39, 119, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 119, 40) }
```

Border

The CSS property to change the border of an element to Yxy 13.7782, 0.3024, 0.5330 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(39, 119, 40) }
```

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

```
.border{ border-color:rgb(39, 119, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 119, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 119, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 119, 40);  
box-shadow:4px 4px 4px 4px rgb(39, 119,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7782, 0.3024, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 119, 40) }
```

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

```
.background{ background-color: rgb(39, 119,  
40) }
```

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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