

Converting Colors

$Y_{xy}(14.7977, 0.3052, 0.4378)$

Have a look what the booklet for
Yxy(14.7977, 0.3052, 0.4378)
contains.

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Color

$\text{Yxy}(14.7775, 0.3053, 0.4389)$

Conversions

Conversions Part 1	
Format	Color
Hex	477649
RGB	71, 118, 73
RGB Percent	28%, 46%, 29%
CMY	0.7216, 0.5372, 0.7137
CMYK	0.40, 0.00, 0.38, 0.54
HSL	123°, 25%, 37%
HSV	123°, 40%, 46%
XYZ	10.2793, 14.7775, 8.6126
YIQ	98.8170, -13.5670, -23.9590

Conversions

Conversions Part 2

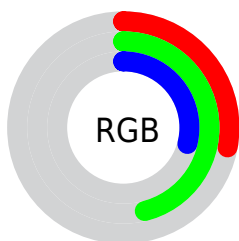
Format	Color
RYB	71, 116, 118
Decimal	4683337
CIELab	45.33, -26.12, 19.88
CIELCh	45, 32.831, 142.723
Yxy	14.7775, 0.3053, 0.4389
Android (android.graphics.Color)	4282873417 (0xFF477649)
YUV	98.8170, -12.7278, -24.3955
Hunter-Lab	38.4415, -19.5417, 13.6254

Details

The Yxy color **14.7775, 0.3053, 0.4389** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.6192, 0.3203, 0.2393**, and the grayscale version is **12.4642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6685, 0.3089, 0.4103**, and **4.5107, 0.2963, 0.5007** is the 20% darker color. If you saturate the color by 10%, you get **14.2380, 0.3034, 0.4719**, and if you desaturate by 10%, it is **15.4322, 0.3072, 0.4073**.

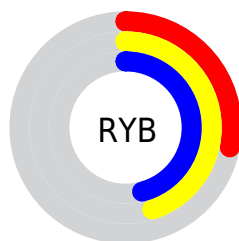
Distribution



Red (28%)

Green (46%)

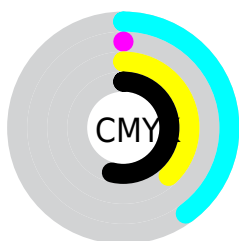
Blue (29%)



Red (28%)

Yellow (45%)

Blue (46%)

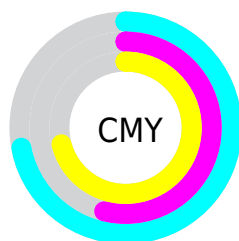


Cyan (40%)

Magenta (0%)

Yellow (38%)

Black (54%)



Cyan (72%)


Magenta (54%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7775, 0.3053, 0.4389 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 14.7775, 0.3053, 0.4389 by changing the saturation by 10% instead.


 14.7775, 0.3053,
0.4389


 14.7775, 0.3053,
0.4389


222.0155, 0.3115,
0.3705


 8.6634, 0.3019,
0.4631


 34.4624, 0.3086,
0.4096

 4.5223, 0.2955,
0.5003

 48.8019, 0.3094,
0.4000


 1.9698, 0.2881,
0.5777

 66.6521, 0.3101,
0.3925

 0.5898, 0.0000,
1.0000

 88.3972, 0.3105,
0.3864

 0.0000, 0.0000,
0.0000

 114.4217, 0.3108,
0.3814


145.1100, 0.3111,


0.3772


180.8465, 0.3113,
0.3736


 14.7775, 0.3053,
0.4389


 14.7775, 0.3053,
0.4389


 14.2380, 0.3034,
0.4719


 15.4322, 0.3072,
0.4073


 13.8052, 0.3018,
0.5047


 16.2062, 0.3092,
0.3782


 13.4726, 0.3005,
0.5354


 17.1056, 0.3110,
0.3519

 13.2322, 0.2996,
0.5617


 18.1358, 0.3127,
0.3286


 13.0747, 0.2993,
0.5816


 19.3015, 0.3143,
0.3083


 12.9703, 0.2988,
0.5952

 20.6076, 0.3158,
0.2906

 12.9686, 0.2987,
0.5955

 22.0585, 0.3171,
0.2753

 23.6584, 0.3182,
0.2621

 25.4113, 0.3193,
0.2507

Harmonies

Analogous

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



14.7775, 0.3701, 0.4513



14.7775, 0.3053, 0.4389



14.7775, 0.2458, 0.3837

Triad

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



14.7775, 0.3053, 0.4389



14.7775, 0.2087, 0.2303



14.7775, 0.4303, 0.3270

Complementary

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



14.7775, 0.3053, 0.4389



9.6192, 0.3203, 0.2393

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.



14.7775, 0.3773, 0.2802



14.7775, 0.3053, 0.4389



14.7775, 0.2480, 0.2267

Square

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



14.7775, 0.3053, 0.4389



14.7775, 0.1946, 0.2588



14.7775, 0.3086, 0.2447



14.7775, 0.4465, 0.3779

Rectangle

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



14.7775, 0.3053, 0.4389



14.7775, 0.2170, 0.3364



14.7775, 0.3086, 0.2447



14.7775, 0.4160, 0.3106

Sweetspot

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



14.7781, 0.3053, 0.4389



29.6647, 0.3106, 0.3581



17.1555, 0.3671, 0.4234



6.7853, 0.3104, 0.3605



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.



14.7781, 0.3053, 0.4389



25.0884, 0.3035, 0.4698



15.1429, 0.2815, 0.3810



4.1005, 0.3112, 0.3499



14.0289, 0.2988, 0.5956



68.3323, 0.2995, 0.5982

Inverse Universe

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



9.6192, 0.3203, 0.2393



14.6436, 0.3223, 0.2198



9.1472, 0.3618, 0.2829



3.7554, 0.3143, 0.3089



5.4560, 0.3314, 0.1599



26.5548, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 14.7775, 0.3053, 0.4389 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 14.7775, 0.3053, 0.4389 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 14.7775, 0.3053, 0.4389

Background



This preview shows how black text looks on a background with the Yxy color 14.7775, 0.3053, 0.4389.



This preview shows how white text looks on a background with the Yxy color 14.7775, 0.3053, 0.4389.

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

14.7775, 0.3053, 0.4389

Protanopia

14.6581, 0.3766, 0.4079

Deuteranopia

14.5506, 0.3861, 0.3785



Tritanopia

14.7181, 0.2654, 0.3091

Trichromacy



Original Color
14.7775, 0.3053, 0.4389

Protanomaly
14.5204, 0.3489, 0.4205

Deuteranomaly
14.3727, 0.3532, 0.3988

Tritanomaly
14.6119, 0.2790, 0.3521

Monochromacy



Original Color
14.7775, 0.3053, 0.4389

Achromatopsia
12.4772, 0.3127, 0.3290

Achromatomaly
13.1701, 0.3096, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7775, 0.3053, 0.4389 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(71, 118, 73)` looks like.

```
.text, #text, p{  
    color:rgb(71, 118, 73)  
}
```

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(71, 118, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 118, 73) }
```

Border

The CSS property to change the border of an element to Yxy 14.7775, 0.3053, 0.4389 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(71, 118, 73) }
```

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

```
.border{ border-color:rgb(71, 118, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 118, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 118, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 118, 73);  
box-shadow:4px 4px 4px 4px rgb(71, 118,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7775, 0.3053, 0.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 118, 73) }
```

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

```
.background{ background-color: rgb(71, 118,  
73) }
```

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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