

Converting Colors

$Y_{xy}(15.6519, 0.2954, 0.3998)$

Have a look what the booklet for
Yxy(15.6519, 0.2954, 0.3998)
contains.

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Color

Yxy(15.7320, 0.2955, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	4D7859
RGB	77, 120, 89
RGB Percent	30%, 47%, 35%
CMY	0.6980, 0.5294, 0.6509
CMYK	0.36, 0.00, 0.26, 0.53
HSL	137°, 22%, 39%
HSV	137°, 36%, 47%
XYZ	11.5815, 15.7320, 11.8793
YIQ	103.6090, -15.6770, -18.7570

Conversions

Conversions Part 2

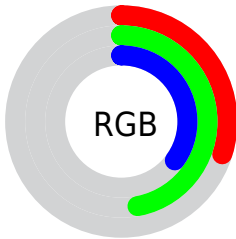
Format	Color
RYB	77, 111, 120
Decimal	5077081
CIELab	46.62, -22.04, 12.40
CIELCh	47, 25.285, 150.632
Yxy	15.7320, 0.2955, 0.4014
Android (android.graphics.Color)	4283267161 (0xFF4D7859)
YUV	103.6090, -7.2022, -23.3361
Hunter-Lab	39.6636, -17.2906, 10.0070

Details

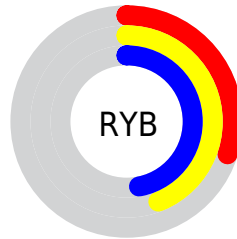
The Yxy color **15.7320, 0.2955, 0.4014** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.3860, 0.3361, 0.2663**, and the grayscale version is **13.7577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3404, 0.3007, 0.3834**, and **4.9421, 0.2851, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **15.1416, 0.2915, 0.4261**, and if you desaturate by 10%, it is **16.4329, 0.3000, 0.3785**.

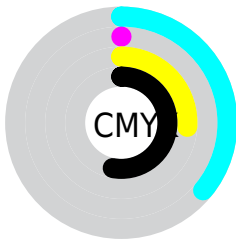
Distribution



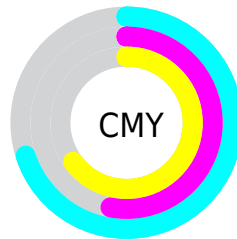
- Red (30%)
- Green (47%)
- Blue (35%)



- Red (30%)
- Yellow (44%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (26%)
- Black (53%)




- Cyan (70%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7320, 0.2955, 0.4014 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 15.7320, 0.2955, 0.4014 by changing the saturation by 10% instead.


 15.7320, 0.2955,
0.4014


 15.7320, 0.2955,
0.4014


227.7551, 0.3065,
0.3571

 9.3347, 0.2914,
0.4166


 36.1323, 0.3003,
0.3827


 4.9601, 0.2850,
0.4399

 50.9041, 0.3018,
0.3765


 2.2239, 0.2733,
0.4794

 69.2362, 0.3030,
0.3716

 0.7330, 0.1780,
0.8220

 91.5130, 0.3040,
0.3676

 0.0000, 0.0000,
0.0000

 118.1189, 0.3048,
0.3643

149.4383, 0.3054,

0.3616

185.8556, 0.3060,
0.3592

■ 15.7320, 0.2955,
0.4014

■ 15.7320, 0.2955,
0.4014

■ 15.1416, 0.2915,
0.4261

■ 16.4329, 0.3000,
0.3785

■ 14.6541, 0.2883,
0.4521

■ 17.2475, 0.3049,
0.3576

■ 14.2640, 0.2862,
0.4785


■ 18.1815, 0.3098,
0.3389

■ 13.9643, 0.2853,
0.5045


■ 19.2395, 0.3148,
0.3223


■ 13.7474, 0.2860,
0.5287


■ 20.4258, 0.3196,
0.3076

 13.5993, 0.2878,
0.5501

 21.7445, 0.3242,
0.2948

 13.5453, 0.2884,
0.5583

 23.1997, 0.3286,
0.2835

 24.7951, 0.3328,
0.2737

 26.5344, 0.3367,
0.2652

Harmonies

Analogous

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



15.7320, 0.3456, 0.4210



15.7320, 0.2955, 0.4014



15.7320, 0.2523, 0.3565

Triad

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



15.7320, 0.2955, 0.4014



15.7320, 0.2383, 0.2500



15.7320, 0.4075, 0.3398

Complementary

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



15.7320, 0.2955, 0.4014



10.3860, 0.3361, 0.2663

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.



15.7320, 0.3741, 0.3009



15.7320, 0.2955, 0.4014



15.7320, 0.2745, 0.2511

Square

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



15.7320, 0.2955, 0.4014



15.7320, 0.2215, 0.2684



15.7320, 0.3241, 0.2694



15.7320, 0.4125, 0.3793

Rectangle

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



15.7320, 0.2955, 0.4014



15.7320, 0.2326, 0.3223



15.7320, 0.3241, 0.2694



15.7320, 0.3992, 0.3264

Sweetspot

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



15.7327, 0.2955, 0.4014



31.0567, 0.3071, 0.3489



17.1907, 0.3482, 0.4184



7.3193, 0.3066, 0.3509



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.



15.7327, 0.2955, 0.4014



26.8018, 0.2922, 0.4216



16.1364, 0.2742, 0.3514



4.4667, 0.3082, 0.3448



14.7751, 0.2886, 0.5590



70.3516, 0.2910, 0.5675

Inverse Universe

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



10.3860, 0.3361, 0.2663



15.9149, 0.3433, 0.2520



9.9920, 0.3738, 0.3081



4.0593, 0.3175, 0.3137



5.0959, 0.4035, 0.1996



24.1574, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 15.7320, 0.2955, 0.4014 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 15.7320, 0.2955, 0.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

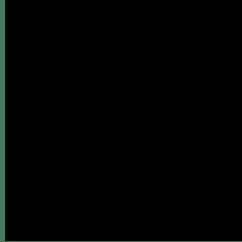
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7320, 0.2955, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 15.7320, 0.2955, 0.4014.



This preview shows how white text looks on a background with the Yxy color 15.7320, 0.2955, 0.4014.

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

15.7320, 0.2955, 0.4014

Protanopia

15.6435, 0.3579, 0.3822

Deuteranopia

15.5928, 0.3622, 0.3566



Tritanopia

15.6270, 0.2654, 0.3075

Trichromacy



Original Color

15.7320, 0.2955, 0.4014

Protanomaly

15.5901, 0.3323, 0.3898

Deuteranomaly

15.3754, 0.3353, 0.3715

Tritanomaly

15.6418, 0.2756, 0.3400

Monochromacy



Original Color

15.7320, 0.2955, 0.4014

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4324, 0.3049, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7320, 0.2955, 0.4014 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(77, 120, 89)` looks like.

```
.text, #text, p{  
  color:rgb(77, 120, 89)  
}
```

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(77, 120, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 120, 89) }
```

Border

The CSS property to change the border of an element to Yxy 15.7320, 0.2955, 0.4014 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(77, 120, 89) }
```

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

```
.border{ border-color:rgb(77, 120, 89) }
```

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

Here you see how a box with a 4 pixel rgb(77, 120, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 120, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 120, 89);  
box-shadow:4px 4px 4px 4px rgb(77, 120,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7320, 0.2955, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 120, 89) }
```

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

```
.background{ background-color: rgb(77, 120,  
89) }
```

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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