

Converting Colors

$Y_{xy}(15.7962, 0.2998, 0.3949)$

Have a look what the booklet for
Yxy(15.7962, 0.2998, 0.3949)
contains.

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Color

Yxy(15.7428, 0.2990, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	52775B
RGB	82, 119, 91
RGB Percent	32%, 47%, 36%
CMY	0.6784, 0.5333, 0.6431
CMYK	0.31, 0.00, 0.24, 0.53
HSL	135°, 18%, 39%
HSV	135°, 31%, 47%
XYZ	11.9652, 15.7428, 12.3093
YIQ	104.7450, -13.0640, -16.5520

Conversions

Conversions Part 2

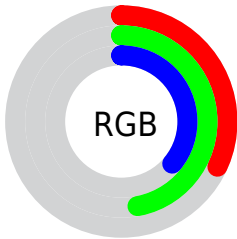
Format	Color
R_{YB}	82, 112, 119
Decimal	5404507
CIE Lab	46.64, -19.39, 11.29
CIE LCh	47, 22.435, 149.799
Yxy	15.7428, 0.2990, 0.3934
Android (android.graphics.Color)	4283594587 (0xFF52775B)
YUV	104.7450, -6.7763, -19.9474
Hunter-Lab	39.6772, -15.6061, 9.3801

Details

The Yxy color **15.7428, 0.2990, 0.3934** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.0817, 0.3302, 0.2723**, and the grayscale version is **14.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9544, 0.3026, 0.3767**, and **4.9271, 0.2909, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **15.1093, 0.2951, 0.4185**, and if you desaturate by 10%, it is **16.4888, 0.3033, 0.3703**.

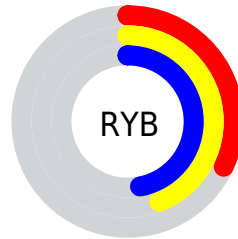
Distribution



Red (32%)

Green (47%)

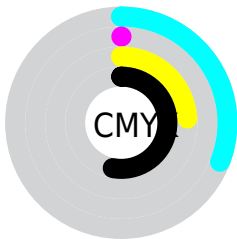
Blue (36%)



Red (32%)

Yellow (44%)

Blue (47%)

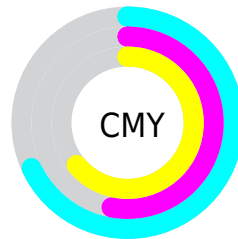


Cyan (31%)

Magenta (0%)

Yellow (24%)

Black (53%)



Cyan (68%)

Magenta (53%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7428, 0.2990, 0.3934 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 15.7428, 0.2990, 0.3934 by changing the saturation by 10% instead.


 15.7428, 0.2990,
0.3934


 15.7428, 0.2990,
0.3934


227.8192, 0.3077,
0.3542


 9.3423, 0.2958,
0.4068


 36.1511, 0.3028,
0.3768


 4.9651, 0.2906,
0.4272

 50.9278, 0.3040,
0.3714


 2.2268, 0.2813,
0.4618

 69.2652, 0.3050,
0.3671

 0.7346, 0.2317,
0.7571

 91.5480, 0.3057,
0.3635

 0.0000, 0.0000,
0.0000

 118.1603, 0.3064,
0.3606

149.4867, 0.3069,

0.3581

185.9116, 0.3073,
0.3560

■ 15.7428, 0.2990,
0.3934

■ 15.7428, 0.2990,
0.3934

■ 15.1093, 0.2951,
0.4185

■ 16.4888, 0.3033,
0.3703

■ 14.5808, 0.2918,
0.4452

■ 17.3504, 0.3077,
0.3495

■ 14.1522, 0.2893,
0.4726


■ 18.3329, 0.3122,
0.3309


■ 13.8170, 0.2880,
0.4999

■ 19.4409, 0.3166,
0.3145


■ 13.5678, 0.2879,
0.5256

■ 20.6786, 0.3209,
0.3001

 13.3962, 0.2892,
0.5484

 22.0500, 0.3249,
0.2875

 13.2829, 0.2905,
0.5660

 23.5590, 0.3287,
0.2765

 25.2094, 0.3323,
0.2669

 27.0046, 0.3356,
0.2585

Harmonies

Analogous

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



15.7428, 0.3436, 0.4103



15.7428, 0.2990, 0.3934



15.7428, 0.2599, 0.3547

Triad

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



15.7428, 0.2990, 0.3934



15.7428, 0.2455, 0.2585



15.7428, 0.3962, 0.3382

Complementary

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



15.7428, 0.2990, 0.3934



11.0817, 0.3302, 0.2723

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.



15.7428, 0.3661, 0.3031



15.7428, 0.2990, 0.3934



15.7428, 0.2778, 0.2588

Square

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



15.7428, 0.2990, 0.3934



15.7428, 0.2308, 0.2760



15.7428, 0.3217, 0.2749



15.7428, 0.4016, 0.3737

Rectangle

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



15.7428, 0.2990, 0.3934



15.7428, 0.2417, 0.3247



15.7428, 0.3217, 0.2749



15.7428, 0.3885, 0.3262

Sweetspot

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



15.7435, 0.2990, 0.3934



31.3805, 0.3086, 0.3459



17.1419, 0.3454, 0.4056



7.3886, 0.3080, 0.3482



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.



15.7435, 0.2990, 0.3934



27.3931, 0.2963, 0.4104



16.0948, 0.2800, 0.3508



4.1115, 0.3087, 0.3455



14.1104, 0.2907, 0.5664



68.6451, 0.2930, 0.5747

Inverse Universe

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



11.0817, 0.3302, 0.2723



17.6964, 0.3351, 0.2597



10.7266, 0.3609, 0.3084



3.7434, 0.3170, 0.3131



4.9494, 0.3911, 0.1928



23.9789, 0.3957, 0.1953

Previews

White Background



This preview shows how the Yxy color 15.7428, 0.2990, 0.3934 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 15.7428, 0.2990, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

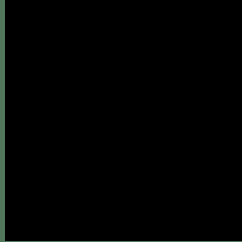
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7428, 0.2990, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 15.7428, 0.2990, 0.3934.



This preview shows how white text looks on a background with the Yxy color 15.7428, 0.2990, 0.3934.

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

15.7428, 0.2990, 0.3934

Protanopia

15.6219, 0.3525, 0.3763

Deuteranopia

15.6282, 0.3593, 0.3526



Tritanopia

15.7914, 0.2706, 0.3098

Trichromacy



Original Color

15.7428, 0.2990, 0.3934

Protanomaly

15.4579, 0.3315, 0.3831

Deuteranomaly

15.5387, 0.3356, 0.3668

Tritanomaly

15.6391, 0.2809, 0.3377

Monochromacy



Original Color

15.7428, 0.2990, 0.3934

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6133, 0.3077, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7428, 0.2990, 0.3934 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(82, 119, 91)` looks like.

```
.text, #text, p{  
    color:rgb(82, 119, 91)  
}
```

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(82, 119, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 119, 91) }
```

Border

The CSS property to change the border of an element to Yxy 15.7428, 0.2990, 0.3934 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(82, 119, 91) }
```

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

```
.border{ border-color:rgb(82, 119, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 119, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 119, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 119, 91);  
box-shadow:4px 4px 4px 4px rgb(82, 119,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7428, 0.2990, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 119, 91) }
```

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

```
.background{ background-color: rgb(82, 119,  
91) }
```

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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