

Converting Colors

$Y_{xy}(30.1595, 0.3122, 0.3792)$

Have a look what the booklet for
Yxy(30.1595, 0.3122, 0.3792)
contains.

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Color

Yxy(30.3134, 0.3123, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	819D7F
RGB	129, 157, 127
RGB Percent	51%, 62%, 50%
CMY	0.4940, 0.3843, 0.5019
CMYK	0.18, 0.00, 0.19, 0.38
HSL	116°, 13%, 56%
HSV	116°, 19%, 62%
XYZ	24.9457, 30.3134, 24.6182
YIQ	145.2080, -7.0580, -15.2660

Conversions

Conversions Part 2

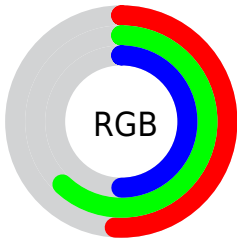
Format	Color
RYB	127, 157, 155
Decimal	8494463
CIELab	61.92, -15.75, 12.51
CIElCh	62, 20.114, 141.543
Yxy	30.3134, 0.3123, 0.3795
Android (android.graphics.Color)	4286684543 (0xFF819D7F)
YUV	145.2080, -8.9765, -14.2144
Hunter-Lab	55.0576, -15.4755, 12.0297

Details

The Yxy color **30.3134, 0.3123, 0.3795** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5810, 0.3126, 0.2826**, and the grayscale version is **28.4472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3273, 0.3123, 0.3689**, and **12.5204, 0.3108, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **28.8709, 0.3118, 0.4104**, and if you desaturate by 10%, it is **31.9866, 0.3126, 0.3516**.

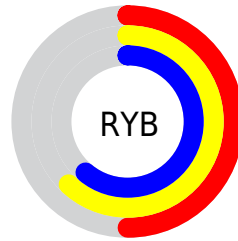
Distribution



Red (51%)

Green (62%)

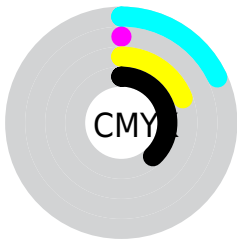
Blue (50%)



Red (50%)

Yellow (62%)

Blue (61%)

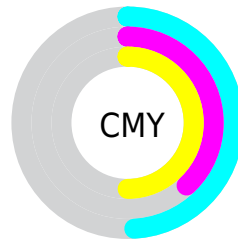


Cyan (18%)

Magenta (0%)

Yellow (19%)

Black (38%)



Cyan (49%)


Magenta (38%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3134, 0.3123, 0.3795 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 30.3134, 0.3123, 0.3795 by changing the saturation by 10% instead.


 30.3134, 0.3123,
0.3795


 30.3134, 0.3123,
0.3795


303.3626, 0.3129,
0.3517


 20.0766, 0.3120,
0.3874


 60.1574, 0.3126,
0.3687

 12.4507, 0.3114,
0.3983


 80.5335, 0.3127,
0.3649

 7.0514, 0.3103,
0.4142


 105.0580, 0.3128,
0.3617

 3.4943, 0.3080,
0.4391

134.1155, 0.3128,
0.3590

 1.3949, 0.3078,
0.4932

168.0903, 0.3129,
0.3568

 0.2130, 0.0000,
1.0000

207.3668, 0.3129,

 0.0000, 0.0000,

0.3548

0.0000

252.3294, 0.3129,
0.3532

■ 30.3134, 0.3123,
0.3795

■ 30.3134, 0.3123,
0.3795

■ 28.8709, 0.3118,
0.4104

■ 31.9866, 0.3126,
0.3516

■ 27.6452, 0.3110,
0.4437

■ 33.8958, 0.3127,
0.3269

■ 26.6270, 0.3099,
0.4781

■ 36.0510, 0.3127,
0.3053


■ 25.8048, 0.3085,
0.5120


■ 38.4607, 0.3126,
0.2865


■ 25.1661, 0.3069,
0.5430

■ 41.1328, 0.3125,
0.2703

 24.6965, 0.3050,
0.5685


 44.0748, 0.3122,
0.2562


 24.3801, 0.3032,
0.5867

 47.2940, 0.3120,
0.2441

 24.1928, 0.3018,
0.5977

 50.7974, 0.3118,
0.2336

 24.1806, 0.3017,
0.5986

 52.5920, 0.3172,
0.2338

Harmonies

Analogous

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



30.3134, 0.3442, 0.3871



30.3134, 0.3123, 0.3795



30.3134, 0.2816, 0.3559

Triad

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



30.3134, 0.3123, 0.3795



30.3134, 0.2590, 0.2799



30.3134, 0.3682, 0.3292

Complementary

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



30.3134, 0.3123, 0.3795



24.5810, 0.3126, 0.2826

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.



30.3134, 0.3431, 0.3038



30.3134, 0.3123, 0.3795



30.3134, 0.2799, 0.2759

Square

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



30.3134, 0.3123, 0.3795



30.3134, 0.2519, 0.2970



30.3134, 0.3105, 0.2847



30.3134, 0.3775, 0.3559

Rectangle

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



30.3134, 0.3123, 0.3795



30.3134, 0.2658, 0.3353



30.3134, 0.3105, 0.2847



30.3134, 0.3613, 0.3203

Sweetspot

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



30.3147, 0.3123, 0.3795



58.2642, 0.3126, 0.3439



31.9753, 0.3413, 0.3716



12.7777, 0.3126, 0.3454



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



30.3147, 0.3123, 0.3795



53.1224, 0.3121, 0.3926



30.5037, 0.2995, 0.3581



7.4214, 0.3126, 0.3520



19.6472, 0.3020, 0.5984



0.3569, 0.3114, 0.5910

Inverse Universe

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



24.5810, 0.3126, 0.2826



40.8943, 0.3125, 0.2718



24.3780, 0.3286, 0.3016



6.7318, 0.3127, 0.3069



6.9756, 0.3044, 0.1450



0.1309, 0.3115, 0.1489

Previews

White Background



This preview shows how the Yxy color 30.3134, 0.3123, 0.3795 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.3134, 0.3123, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

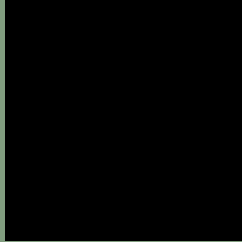
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3134, 0.3123, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 30.3134, 0.3123, 0.3795.



This preview shows how white text looks on a background with the Yxy color 30.3134, 0.3123, 0.3795.

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

30.3134, 0.3123, 0.3795

Protanopia

30.1941, 0.3480, 0.3696

Deuteranopia

30.2162, 0.3567, 0.3500



Tritanopia

30.2877, 0.2858, 0.3100

Trichromacy



Original Color

30.3134, 0.3123, 0.3795

Protanomaly

30.1148, 0.3342, 0.3742

Deuteranomaly

30.1478, 0.3397, 0.3604

Tritanomaly

30.3321, 0.2951, 0.3338

Monochromacy



Original Color

30.3134, 0.3123, 0.3795

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8188, 0.3129, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3134, 0.3123, 0.3795 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(129, 157, 127)` looks like.

```
.text, #text, p{  
    color:rgb(129, 157, 127)  
}
```

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(129, 157, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 157, 127) }
```

Border

The CSS property to change the border of an element to Yxy 30.3134, 0.3123, 0.3795 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(129, 157, 127) }
```

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

```
.border{ border-color:rgb(129, 157, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 157, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 157, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 157, 127);  
box-shadow:4px 4px 4px 4px rgb(129, 157,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3134, 0.3123, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 157, 127) }
```

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

```
.background{ background-color: rgb(129,  
157, 127) }
```

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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