

Converting Colors

$Y_{xy}(29.9905, 0.3793, 0.4282)$

Have a look what the booklet for
Yxy(29.9905, 0.3793, 0.4282)
contains.

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Color

$Y_{xy}(29.8893, 0.3797, 0.4284)$

Conversions

Conversions Part 1

Format	Color
Hex	9C9757
RGB	156, 151, 87
RGB Percent	61%, 59%, 34%
CMY	0.3884, 0.4078, 0.6588
CMYK	0.00, 0.03, 0.44, 0.39
HSL	56°, 28%, 48%
HSV	56°, 44%, 61%
XYZ	26.4915, 29.8893, 13.3888
YIQ	145.1990, 23.5240, -18.8440

Conversions

Conversions Part 2

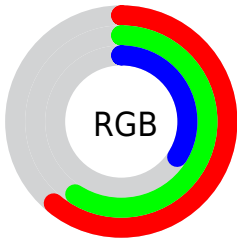
Format	Color
R_{YB}	92, 156, 87
Decimal	10262359
CIE _{Lab}	61.56, -7.70, 34.27
CIE _{LCh}	62, 35.121, 102.659
Yxy	29.8893, 0.3797, 0.4284
Android (android.graphics.Color)	4288452439 (0xFF9C9757)
YUV	145.1990, -28.6921, 9.4725
Hunter-Lab	54.6711, -9.1802, 23.7498

Details

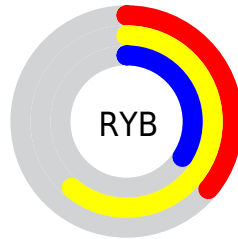
The Yxy color $29.8893, 0.3797, 0.4284$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.0693, 0.2336, 0.2051$, and the grayscale version is $28.5109, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.4947, 0.3675, 0.4081$, and $12.1444, 0.3988, 0.4605$ is the 20% darker color. If you saturate the color by 10%, you get $29.3044, 0.3938, 0.4482$, and if you desaturate by 10%, it is $30.5354, 0.3646, 0.4066$.

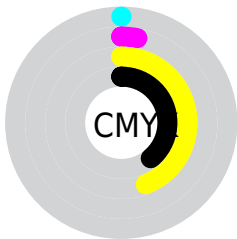
Distribution



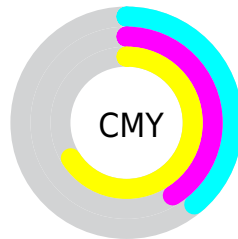
- Red (61%)
- Green (59%)
- Blue (34%)



- Red (36%)
- Yellow (61%)
- Blue (34%)



- Cyan (0%)
- Magenta (3%)
- Yellow (44%)
- Black (39%)





- Cyan (39%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8893, 0.3797, 0.4284 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 29.8893, 0.3797, 0.4284 by changing the saturation by 10% instead.


 29.8893, 0.3797,
0.4284


 29.8893, 0.3797,
0.4284


301.3881, 0.3452,
0.3751


 19.7546, 0.3881,
0.4425


 59.4871, 0.3672,
0.4083


 12.2168, 0.3984,
0.4608


 79.7189, 0.3625,
0.4010

 6.8915, 0.4109,
0.4849


 104.0852, 0.3585,
0.3949

 3.3943, 0.4366,
0.5316

 132.9705, 0.3550,
0.3897

 1.3409, 0.4374,
0.5626

 166.7590, 0.3521,
0.3853

 0.1725, 0.0000,
1.0000

205.8351, 0.3495,

 0.0000, 0.0000,

0.3814

0.0000

250.5834, 0.3473,
0.3781

■ 29.8893, 0.3797,
0.4284

■ 29.8893, 0.3797,
0.4284

■ 29.3044, 0.3938,
0.4482

■ 30.5354, 0.3646,
0.4066

■ 28.7730, 0.4063,
0.4653

■ 31.2419, 0.3491,
0.3839

■ 28.2926, 0.4166,
0.4787

■ 32.0132, 0.3337,
0.3609

■ 27.8584, 0.4245,
0.4879

■ 32.8521, 0.3188,
0.3383

■ 27.4649, 0.4298,
0.4930

■ 33.7612, 0.3046,
0.3166

■ 27.2474, 0.4323,
0.4950

■ 34.7431, 0.2914,
0.2962

■ 35.8000, 0.2791,
0.2771

■ 36.9343, 0.2679,
0.2595

■ 38.1480, 0.2577,
0.2435

Harmonies

Analogous

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



29.8893, 0.4169, 0.3999



29.8893, 0.3797, 0.4284



29.8893, 0.3264, 0.4285

Triad

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



29.8893, 0.3797, 0.4284



29.8893, 0.2118, 0.2836



29.8893, 0.3487, 0.2754

Complementary

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



29.8893, 0.3797, 0.4284



12.0693, 0.2336, 0.2051

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.



29.8893, 0.2908, 0.2489



29.8893, 0.3797, 0.4284



29.8893, 0.2163, 0.2504

Square

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



29.8893, 0.3797, 0.4284



29.8893, 0.2310, 0.3361



29.8893, 0.2437, 0.2394



29.8893, 0.3999, 0.3140

Rectangle

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



29.8893, 0.3797, 0.4284



29.8893, 0.2893, 0.4084



29.8893, 0.2437, 0.2394



29.8893, 0.3291, 0.2649

Sweetspot

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



29.8907, 0.3797, 0.4284



58.3182, 0.3323, 0.3587



14.6658, 0.4159, 0.3198



12.7659, 0.3354, 0.3634



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.



29.8907, 0.3797, 0.4284



53.2715, 0.3935, 0.4479



28.9814, 0.3455, 0.4472



7.6389, 0.3263, 0.3496



22.4770, 0.4322, 0.4951



0.4237, 0.4265, 0.4996

Inverse Universe

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



12.0693, 0.2336, 0.2051



16.6666, 0.2136, 0.1726



12.9096, 0.2650, 0.2064



6.5079, 0.2987, 0.3076



2.1994, 0.1517, 0.0660



0.0592, 0.1595, 0.0941

Previews

White Background



This preview shows how the Yxy color 29.8893, 0.3797, 0.4284 looks on a white background.

Color Contrast Check

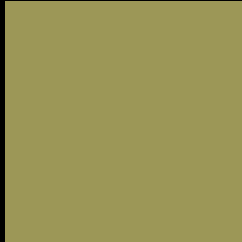
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 29.8893, 0.3797, 0.4284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

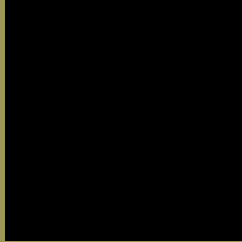
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8893, 0.3797, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 29.8893, 0.3797, 0.4284.



This preview shows how white text looks on a background with the Yxy color 29.8893, 0.3797, 0.4284.

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

29.8893, 0.3797, 0.4284

Protanopia

29.9533, 0.3899, 0.4242

Deuteranopia

29.7706, 0.4113, 0.4041



Tritanopia

29.7645, 0.3230, 0.3126

Trichromacy



Original Color

29.8893, 0.3797, 0.4284

Protanomaly

29.9582, 0.3858, 0.4268

Deuteranomaly

29.6133, 0.3998, 0.4128

Tritanomaly

29.6431, 0.3439, 0.3539

Monochromacy



Original Color

29.8893, 0.3797, 0.4284

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.7122, 0.3376, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8893, 0.3797, 0.4284 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(156, 151, 87)` looks like.

```
.text, #text, p{  
    color:rgb(156, 151, 87)  
}
```

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(156, 151, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 151, 87) }
```

Border

The CSS property to change the border of an element to Yxy 29.8893, 0.3797, 0.4284 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(156, 151, 87) }
```

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

```
.border{ border-color:rgb(156, 151, 87) }
```

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

Here you see how a box with a 4 pixel rgb(156, 151, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 151, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 151, 87);  
box-shadow:4px 4px 4px 4px rgb(156, 151,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8893, 0.3797, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 151, 87) }
```

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

```
.background{ background-color: rgb(156,  
151, 87) }
```

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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