

Converting Colors

$Y_{xy}(30.7690, 0.3879, 0.4393)$

Have a look what the booklet for
Yxy(30.7690, 0.3879, 0.4393)
contains.

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Color

Yxy(30.7326, 0.3879, 0.4393)

Conversions

Conversions Part 1

Format	Color
Hex	9F9950
RGB	159, 153, 80
RGB Percent	62%, 60%, 31%
CMY	0.3765, 0.4000, 0.6863
CMYK	0.00, 0.04, 0.50, 0.38
HSL	55°, 33%, 47%
HSV	55°, 50%, 62%
XYZ	27.1368, 30.7326, 12.0888
YIQ	146.4720, 27.0090, -21.4310

Conversions

Conversions Part 2

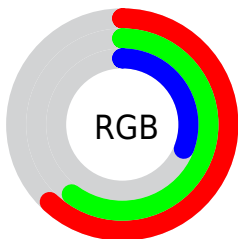
Format	Color
RYB	86, 159, 80
Decimal	10459472
CIELab	62.28, -8.18, 38.84
CIELCh	62, 39.695, 101.894
Yxy	30.7326, 0.3879, 0.4393
Android (android.graphics.Color)	4288649552 (0xFF9F9950)
YUV	146.4720, -32.7707, 10.9871
Hunter-Lab	55.4370, -9.6379, 25.8769

Details

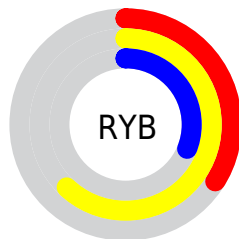
The Yxy color **30.7326, 0.3879, 0.4393** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.8611, 0.2224, 0.1874**, and the grayscale version is **29.0778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7114, 0.3742, 0.4174**, and **12.6658, 0.4087, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **30.1333, 0.4013, 0.4577**, and if you desaturate by 10%, it is **31.3943, 0.3732, 0.4185**.

Distribution



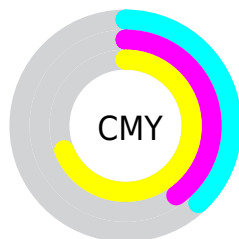
- Red (62%)
- Green (60%)
- Blue (31%)



- Red (34%)
- Yellow (62%)
- Blue (31%)



- Cyan (0%)
- Magenta (4%)
- Yellow (50%)
- Black (38%)




- Cyan (38%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7326, 0.3879, 0.4393 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 30.7326, 0.3879, 0.4393 by changing the saturation by 10% instead.

 30.7326, 0.3879,
0.4393


 30.7326, 0.3879,
0.4393


305.3045, 0.3498,
0.3808


 20.3953, 0.3968,
0.4543


 60.8188, 0.3743,
0.4175

 12.6827, 0.4075,
0.4735


 81.3366, 0.3691,
0.4095


 7.2104, 0.4197,
0.4980


 106.0166, 0.3646,
0.4027

 3.5941, 0.4493,
0.5507

 135.2432, 0.3608,
0.3970

 1.4492, 0.4356,
0.5644

 169.4010, 0.3575,
0.3921

 0.2525, 0.1377,
0.8623

208.8742, 0.3546,

 0.0000, 0.0000,

0.3878

0.0000

254.0472, 0.3521,
0.3841

■ 30.7326, 0.3879,
0.4393

■ 30.7326, 0.3879,
0.4393

■ 30.1333, 0.4013,
0.4577

■ 31.3943, 0.3732,
0.4185

■ 29.5882, 0.4128,
0.4727

■ 32.1179, 0.3578,
0.3962

■ 29.0942, 0.4219,
0.4838

■ 32.9079, 0.3422,
0.3733

■ 28.6460, 0.4285,
0.4907

■ 33.7675, 0.3269,
0.3505

■ 28.2314, 0.4329,
0.4942

■ 34.6996, 0.3123,
0.3283

■ 28.2188, 0.4331,
0.4943

■ 35.7068, 0.2985,
0.3072

■ 36.7917, 0.2856,
0.2875

■ 37.9568, 0.2739,
0.2692

■ 39.2042, 0.2631,
0.2523

Harmonies

Analogous

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



30.7326, 0.4293, 0.4056



30.7326, 0.3879, 0.4393



30.7326, 0.3287, 0.4420

Triad

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



30.7326, 0.3879, 0.4393



30.7326, 0.2013, 0.2788



30.7326, 0.3510, 0.2687

Complementary

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



30.7326, 0.3879, 0.4393



10.8611, 0.2224, 0.1874

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.



30.7326, 0.2864, 0.2401



30.7326, 0.3879, 0.4393



30.7326, 0.2058, 0.2421

Square

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



30.7326, 0.3879, 0.4393



30.7326, 0.2227, 0.3381



30.7326, 0.2350, 0.2301



30.7326, 0.4092, 0.3105

Rectangle

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



30.7326, 0.3879, 0.4393



30.7326, 0.2875, 0.4201



30.7326, 0.2350, 0.2301



30.7326, 0.3290, 0.2574

Sweetspot

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



30.7340, 0.3879, 0.4393



59.5989, 0.3354, 0.3632



13.7878, 0.4363, 0.3188



13.3685, 0.3385, 0.3678



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.7340, 0.3879, 0.4393



53.8196, 0.4031, 0.4601



29.8164, 0.3486, 0.4627



7.6342, 0.3263, 0.3495



22.3156, 0.4329, 0.4944



0.4219, 0.4269, 0.4992

Inverse Universe

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



10.8611, 0.2224, 0.1874



13.9627, 0.1997, 0.1501



11.7437, 0.2573, 0.1897



6.5121, 0.2987, 0.3077



2.2126, 0.1518, 0.0664



0.0605, 0.1600, 0.0959

Previews

White Background



This preview shows how the Yxy color 30.7326, 0.3879, 0.4393 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 30.7326, 0.3879, 0.4393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

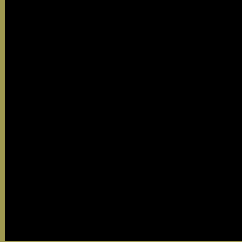
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7326, 0.3879, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 30.7326, 0.3879, 0.4393.



This preview shows how white text looks on a background with the Yxy color 30.7326, 0.3879, 0.4393.

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

30.7326, 0.3879, 0.4393

Protanopia

30.8047, 0.3980, 0.4347

Deuteranopia

30.7461, 0.4209, 0.4139



Tritanopia

30.5623, 0.3251, 0.3114

Trichromacy



Original Color

30.7326, 0.3879, 0.4393

Protanomaly

30.8075, 0.3939, 0.4374

Deuteranomaly

30.5755, 0.4094, 0.4229

Tritanomaly

30.3185, 0.3501, 0.3581

Monochromacy



Original Color

30.7326, 0.3879, 0.4393

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.4793, 0.3413, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7326, 0.3879, 0.4393 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(159, 153, 80)` looks like.

```
.text, #text, p{  
    color:rgb(159, 153, 80)  
}
```

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(159, 153, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 153, 80) }
```

Border

The CSS property to change the border of an element to Yxy 30.7326, 0.3879, 0.4393 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(159, 153, 80) }
```

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

```
.border{ border-color:rgb(159, 153, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 153, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 153, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 153, 80);  
box-shadow:4px 4px 4px 4px rgb(159, 153,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7326, 0.3879, 0.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 153, 80) }
```

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

```
.background{ background-color: rgb(159,  
153, 80) }
```

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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