

Converting Colors

$Y_{xy}(20.0627, 0.3130, 0.4035)$

Have a look what the booklet for
Yxy(20.0627, 0.3130, 0.4035)
contains.

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Color

Yxy(19.9997, 0.3126, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	638460
RGB	99, 132, 96
RGB Percent	39%, 52%, 38%
CMY	0.6117, 0.4824, 0.6236
CMYK	0.25, 0.00, 0.27, 0.48
HSL	115°, 16%, 45%
HSV	115°, 27%, 52%
XYZ	15.5096, 19.9997, 14.1055
YIQ	118.0290, -8.1120, -18.1920

Conversions

Conversions Part 2

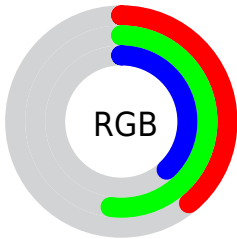
Format	Color
RYB	96, 132, 129
Decimal	6521952
CIELab	51.84, -19.17, 15.76
CIELCh	52, 24.820, 140.577
Yxy	19.9997, 0.3126, 0.4031
Android (android.graphics.Color)	4284712032 (0xFF638460)
YUV	118.0290, -10.8603, -16.6884
Hunter-Lab	44.7210, -16.3567, 12.6040

Details

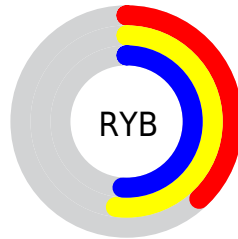
The Yxy color **19.9997, 0.3126, 0.4031** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6930, 0.3115, 0.2631**, and the grayscale version is **18.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2885, 0.3126, 0.3845**, and **6.9601, 0.3108, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **19.1468, 0.3121, 0.4353**, and if you desaturate by 10%, it is **20.9971, 0.3128, 0.3734**.

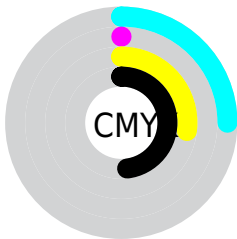
Distribution



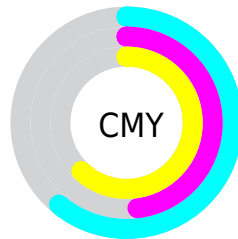
- Red (39%)
- Green (52%)
- Blue (38%)



- Red (38%)
- Yellow (52%)
- Blue (51%)



- Cyan (25%)
- Magenta (0%)
- Yellow (27%)
- Black (48%)





- Cyan (61%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9997, 0.3126, 0.4031 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 19.9997, 0.3126, 0.4031 by changing the saturation by 10% instead.


 19.9997, 0.3126,
0.4031


 19.9997, 0.3126,
0.4031


251.9135, 0.3135,
0.3594


 12.3948, 0.3118,
0.4171


 43.4167, 0.3132,
0.3852


 7.0132, 0.3103,
0.4375


 59.9976, 0.3134,
0.3791

 3.4703, 0.3069,
0.4699

 80.3393, 0.3134,
0.3742

 1.3819, 0.3130,
0.5563

 104.8262, 0.3135,
0.3702

 0.2034, 0.0000,
1.0000

133.8426, 0.3135,
0.3668

 0.0000, 0.0000,
0.0000

167.7731, 0.3135,

0.3640

207.0019, 0.3135,
0.3615

■ 19.9997, 0.3126,
0.4031

■ 19.9997, 0.3126,
0.4031

■ 19.1468, 0.3121,
0.4353

■ 20.9971, 0.3128,
0.3734

■ 18.4292, 0.3113,
0.4689

■ 22.1424, 0.3128,
0.3466

■ 17.8407, 0.3101,
0.5025

■ 23.4424, 0.3127,
0.3228

■ 17.3736, 0.3085,
0.5339

■ 24.9025, 0.3124,
0.3020

■ 17.0194, 0.3067,
0.5608

■ 26.5278, 0.3120,
0.2839

■ 16.7684, 0.3046,
0.5812

■ 28.3234, 0.3117,
0.2681

■ 16.6069, 0.3029,
0.5946

■ 30.2940, 0.3112,
0.2545

■ 16.5743, 0.3027,
0.5979

■ 32.4441, 0.3108,
0.2427

■ 34.7782, 0.3104,
0.2324

Harmonies

Analogous

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



19.9997, 0.3574, 0.4118



19.9997, 0.3126, 0.4031



19.9997, 0.2698, 0.3690

Triad

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



19.9997, 0.3126, 0.4031



19.9997, 0.2375, 0.2606



19.9997, 0.3909, 0.3270

Complementary

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



19.9997, 0.3126, 0.4031



14.6930, 0.3115, 0.2631

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.



19.9997, 0.3541, 0.2927



19.9997, 0.3126, 0.4031



19.9997, 0.2653, 0.2555

Square

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



19.9997, 0.3126, 0.4031



19.9997, 0.2285, 0.2839



19.9997, 0.3074, 0.2673



19.9997, 0.4047, 0.3638

Rectangle

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



19.9997, 0.3126, 0.4031



19.9997, 0.2478, 0.3386



19.9997, 0.3074, 0.2673



19.9997, 0.3807, 0.3149

Sweetspot

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



20.0006, 0.3126, 0.4031



38.8129, 0.3128, 0.3489



21.2920, 0.3537, 0.3883



8.9705, 0.3128, 0.3523



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.0006, 0.3126, 0.4031



34.2329, 0.3123, 0.4236



20.1226, 0.2949, 0.3730



5.2222, 0.3128, 0.3513



16.0495, 0.3027, 0.5978



0.0567, 0.3148, 0.5882

Inverse Universe

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



14.6930, 0.3115, 0.2631



23.1923, 0.3110, 0.2474



14.5669, 0.3359, 0.2888



4.7434, 0.3125, 0.3075



5.5403, 0.3004, 0.1429



0.0207, 0.3112, 0.1488

Previews

White Background



This preview shows how the Yxy color 19.9997, 0.3126, 0.4031 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 19.9997, 0.3126, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

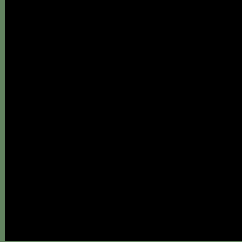
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9997, 0.3126, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 19.9997, 0.3126, 0.4031.



This preview shows how white text looks on a background with the Yxy color 19.9997, 0.3126, 0.4031.

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

19.9997, 0.3126, 0.4031

Protanopia

19.8442, 0.3608, 0.3864

Deuteranopia

19.6974, 0.3694, 0.3627



Tritanopia

20.0491, 0.2790, 0.3100

Trichromacy



Original Color

19.9997, 0.3126, 0.4031

Protanomaly

19.7051, 0.3427, 0.3930

Deuteranomaly

19.5598, 0.3471, 0.3763

Tritanomaly

19.9892, 0.2907, 0.3427

Monochromacy



Original Color

19.9997, 0.3126, 0.4031

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6712, 0.3127, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9997, 0.3126, 0.4031 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(99, 132, 96) looks like.

```
.text, #text, p{  
    color:rgb(99, 132, 96)  
}
```

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(99, 132, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 132, 96) }
```

Border

The CSS property to change the border of an element to Yxy 19.9997, 0.3126, 0.4031 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(99, 132, 96) }
```

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

```
.border{ border-color:rgb(99, 132, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 132, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 132, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 132, 96);  
box-shadow:4px 4px 4px 4px rgb(99, 132,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9997, 0.3126, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 132, 96) }
```

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

```
.background{ background-color: rgb(99, 132,  
96) }
```

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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