

Converting Colors

$Y_{xy}(27.1731, 0.4025, 0.3773)$

Have a look what the booklet for
Yxy(27.1731, 0.4025, 0.3773)
contains.

Yxy(27.1601, 0.4036, 0.3773)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1601, 0.4036, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	B28564
RGB	178, 133, 100
RGB Percent	70%, 52%, 39%
CMY	0.3019, 0.4785, 0.6078
CMYK	0.00, 0.25, 0.44, 0.30
HSL	25°, 34%, 55%
HSV	25°, 44%, 70%
XYZ	29.0533, 27.1601, 15.7720
YIQ	142.6930, 37.4130, -0.7230

Conversions

Conversions Part 2

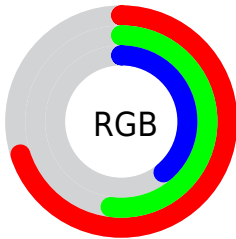
Format	Color
R_{YB}	178, 157, 100
Decimal	11699556
CIE _{Lab}	59.12, 13.01, 24.48
CIE _{LCh}	59, 27.727, 62.015
Yxy	27.1601, 0.4036, 0.3773
Android (android.graphics.Color)	4289889636 (0xFFB28564)
YUV	142.6930, -21.0476, 30.9642
Hunter-Lab	52.1154, 8.3085, 18.5374

Details

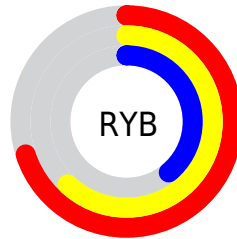
The Yxy color **27.1601, 0.4036, 0.3773** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **26.1934, 0.2451, 0.2741**, and the grayscale version is **27.4154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0143, 0.3845, 0.3685**, and **10.6545, 0.4352, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **24.1757, 0.4319, 0.3875**, and if you desaturate by 10%, it is **30.4979, 0.3780, 0.3661**.

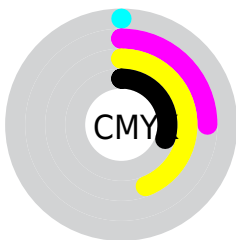
Distribution



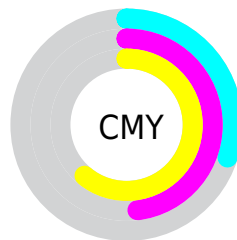
- Red (70%)
- Green (52%)
- Blue (39%)



- Red (70%)
- Yellow (62%)
- Blue (39%)



- Cyan (0%)
- Magenta (25%)
- Yellow (44%)
- Black (30%)





- Cyan (30%)
- Magenta (48%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1601, 0.4036, 0.3773 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 27.1601, 0.4036, 0.3773 by changing the saturation by 10% instead.


 27.1601, 0.4036,
0.3773


 27.1601, 0.4036,
0.3773


288.4315, 0.3540,
0.3527


 17.6935, 0.4173,
0.3832


 55.1407, 0.3846,
0.3684


 10.7302, 0.4355,
0.3905


 74.4234, 0.3777,
0.3651

 5.8857, 0.4608,
0.3993


 97.7470, 0.3721,
0.3622

 2.7757, 0.5007,
0.4114

 125.4959, 0.3673,
0.3598

 1.0158, 0.5719,
0.4281

158.0543, 0.3632,
0.3577

 0.0000, 1.0000,
0.0000

195.8068, 0.3597,

 0.0000, 0.0000,

0.3558

0.0000

239.1377, 0.3567,
0.3542

■ 27.1601, 0.4036,
0.3773

■ 27.1601, 0.4036,
0.3773

■ 24.1757, 0.4319,
0.3875

■ 30.4979, 0.3780,
0.3661

■ 21.5278, 0.4621,
0.3956

■ 34.1972, 0.3554,
0.3547

■ 19.2041, 0.4930,
0.4005

■ 38.2707, 0.3357,
0.3435

■ 17.1895, 0.5225,
0.4009

■ 42.7293, 0.3186,
0.3329

■ 15.4671, 0.5483,
0.3960

■ 47.5833, 0.3039,
0.3229

■ 14.5342, 0.5628,
0.3914

■ 52.8428, 0.2912,
0.3137

■ 58.5172, 0.2803,
0.3053

■ 64.6160, 0.2708,
0.2976

■ 70.8055, 0.2654,
0.2960

Harmonies

Analogous

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



27.1601, 0.4001, 0.3411



27.1601, 0.4036, 0.3773



27.1601, 0.3812, 0.4047

Triad

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



27.1601, 0.4036, 0.3773



27.1601, 0.2559, 0.3521



27.1601, 0.2797, 0.2576

Complementary

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



27.1601, 0.4036, 0.3773



26.1934, 0.2451, 0.2741

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.



27.1601, 0.2455, 0.2560



27.1601, 0.4036, 0.3773



27.1601, 0.2325, 0.3066

Square

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



27.1601, 0.4036, 0.3773



27.1601, 0.2952, 0.3932



27.1601, 0.2289, 0.2724



27.1601, 0.3255, 0.2752

Rectangle

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



27.1601, 0.4036, 0.3773



27.1601, 0.3558, 0.4128



27.1601, 0.2289, 0.2724



27.1601, 0.2666, 0.2552

Sweetspot

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



27.1614, 0.4036, 0.3773



69.8377, 0.3346, 0.3429



20.6466, 0.3589, 0.2639



15.0988, 0.3386, 0.3453



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.1614, 0.4036, 0.3773



43.7759, 0.4322, 0.3876



39.7142, 0.3803, 0.4275



9.0760, 0.3277, 0.3387



10.5151, 0.5608, 0.3929



0.4474, 0.5119, 0.4317

Inverse Universe

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



26.1934, 0.2451, 0.2741



41.7536, 0.2305, 0.2586



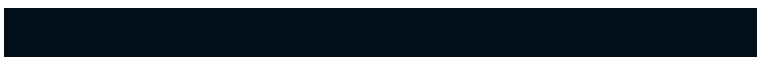
16.3412, 0.2338, 0.2064



9.0176, 0.2985, 0.3191



9.3337, 0.1851, 0.1865



0.4062, 0.1974, 0.2305

Previews

White Background



This preview shows how the Yxy color 27.1601, 0.4036, 0.3773 looks on a white background.

Color Contrast Check

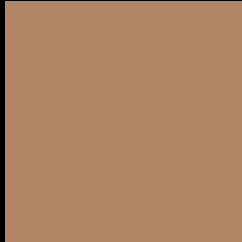
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1601, 0.4036, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

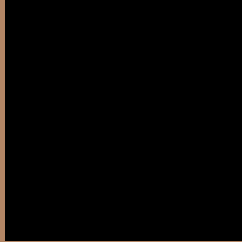
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1601, 0.4036, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 27.1601, 0.4036, 0.3773.



This preview shows how white text looks on a background with the Yxy color 27.1601, 0.4036, 0.3773.

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

27.1601, 0.4036, 0.3773

Protanopia

27.1178, 0.3646, 0.3906

Deuteranopia

27.0552, 0.3933, 0.3851



Tritanopia

27.2184, 0.3655, 0.3148

Trichromacy



Original Color

27.1601, 0.4036, 0.3773

Protanomaly

27.1259, 0.3777, 0.3855

Deuteranomaly

27.1130, 0.3975, 0.3829

Tritanomaly

27.2443, 0.3805, 0.3379

Monochromacy



Original Color

27.1601, 0.4036, 0.3773

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.0655, 0.3444, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1601, 0.4036, 0.3773 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(178, 133, 100)` looks like.

```
.text, #text, p{  
    color:rgb(178, 133, 100)  
}
```

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(178, 133, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 133, 100) }
```

Border

The CSS property to change the border of an element to Yxy 27.1601, 0.4036, 0.3773 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(178, 133, 100) }
```

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

```
.border{ border-color:rgb(178, 133, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 133, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 133, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 133, 100);  
box-shadow:4px 4px 4px 4px rgb(178, 133,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1601, 0.4036, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 133, 100) }
```

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

```
.background{ background-color: rgb(178,  
133, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor