

Converting Colors

$Y_{xy}(28.5537, 0.3291, 0.4049)$

Have a look what the booklet for
Yxy(28.5537, 0.3291, 0.4049)
contains.

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Color

Yxy(28.5537, 0.3291, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	81996D
RGB	129, 153, 109
RGB Percent	51%, 60%, 43%
CMY	0.4940, 0.4000, 0.5725
CMYK	0.16, 0.00, 0.29, 0.40
HSL	93°, 18%, 51%
HSV	93°, 29%, 60%
XYZ	23.2083, 28.5537, 18.7584
YIQ	140.8080, -0.1800, -18.7720

Conversions

Conversions Part 2

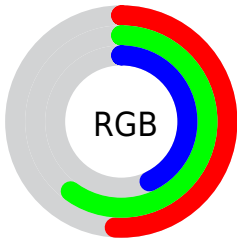
Format	Color
R_{YB}	109, 153, 133
Decimal	8493421
CIE _{Lab}	60.39, -16.73, 20.41
CIE _{LCh}	60, 26.395, 129.343
Yxy	28.5537, 0.3291, 0.4049
Android (android.graphics.Color)	4286683501 (0xFF81996D)
YUV	140.8080, -15.6813, -10.3556
Hunter-Lab	53.4357, -15.9860, 16.5914

Details

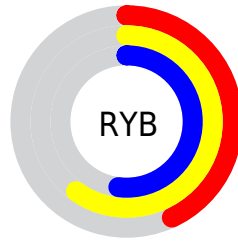
The Yxy color $28.5537, 0.3291, 0.4049$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.2238, 0.2915, 0.2543$, and the grayscale version is $26.6221, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.1439, 0.3259, 0.3877$, and $11.5019, 0.3329, 0.4342$ is the 20% darker color. If you saturate the color by 10%, you get $27.6269, 0.3340, 0.4344$, and if you desaturate by 10%, it is $29.5936, 0.3236, 0.3767$.

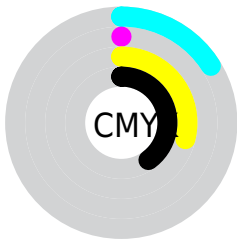
Distribution



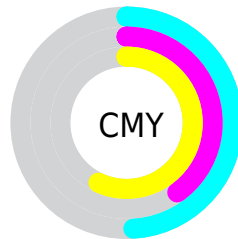
- Red (51%)
- Green (60%)
- Blue (43%)



- Red (43%)
- Yellow (60%)
- Blue (52%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (40%)





- Cyan (49%)
- Magenta (40%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5537, 0.3291, 0.4049 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 28.5537, 0.3291, 0.4049 by changing the saturation by 10% instead.


 28.5537, 0.3291,
0.4049


 28.5537, 0.3291,
0.4049


295.1033, 0.3211,
0.3626


 18.7435, 0.3309,
0.4171


 57.3672, 0.3263,
0.3883

 11.4851, 0.3330,
0.4340


 77.1393, 0.3252,
0.3825

 6.3941, 0.3353,
0.4585


 101.0008, 0.3242,
0.3777

 3.0862, 0.3368,
0.4971

 129.3362, 0.3234,
0.3737

 1.1769, 0.3677,
0.6323

162.5297, 0.3227,
0.3703

 0.0427, 0.0000,
1.0000

200.9658, 0.3221,

 0.0000, 0.0000,

0.3673

0.0000

245.0289, 0.3215,
0.3648

■ 28.5537, 0.3291,
0.4049

■ 28.5537, 0.3291,
0.4049

■ 27.6269, 0.3340,
0.4344

■ 29.5936, 0.3236,
0.3767

■ 26.8053, 0.3378,
0.4642

■ 30.7469, 0.3178,
0.3503

■ 26.0855, 0.3403,
0.4932

■ 32.0185, 0.3120,
0.3261

■ 25.4627, 0.3412,
0.5198

■ 33.4121, 0.3062,
0.3041

■ 24.9312, 0.3400,
0.5426

■ 34.9311, 0.3007,
0.2844

■ 24.4850, 0.3369,
0.5604

■ 36.5787, 0.2954,
0.2667

■ 24.1127, 0.3323,
0.5733

■ 38.3581, 0.2904,
0.2510

■ 24.0696, 0.3317,
0.5748

■ 40.2723, 0.2858,
0.2370

■ 42.3241, 0.2814,
0.2245

Harmonies

Analogous

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



28.5537, 0.3691, 0.4039



28.5537, 0.3291, 0.4049



28.5537, 0.2864, 0.3808

Triad

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



28.5537, 0.3291, 0.4049



28.5537, 0.2360, 0.2706



28.5537, 0.3755, 0.3144

Complementary

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



28.5537, 0.3291, 0.4049



18.2238, 0.2915, 0.2543

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.



28.5537, 0.3357, 0.2843



28.5537, 0.3291, 0.4049



28.5537, 0.2560, 0.2591

Square

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



28.5537, 0.3291, 0.4049



28.5537, 0.2346, 0.2991



28.5537, 0.2917, 0.2645



28.5537, 0.3977, 0.3493

Rectangle

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



28.5537, 0.3291, 0.4049



28.5537, 0.2622, 0.3545



28.5537, 0.2917, 0.2645



28.5537, 0.3636, 0.3036

Sweetspot

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



28.5549, 0.3291, 0.4049



54.9745, 0.3181, 0.3514



24.5063, 0.3633, 0.3677



12.0750, 0.3189, 0.3548



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.5549, 0.3291, 0.4049



49.9671, 0.3326, 0.4253



27.1693, 0.3077, 0.4070



7.0564, 0.3181, 0.3515



19.9136, 0.3322, 0.5744



0.3189, 0.3662, 0.5474

Inverse Universe

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



18.2238, 0.2915, 0.2543



28.1338, 0.2850, 0.2346



19.9629, 0.3177, 0.2617



6.1838, 0.3069, 0.3066



3.4546, 0.2134, 0.0949



0.0732, 0.2593, 0.1202

Previews

White Background



This preview shows how the Yxy color 28.5537, 0.3291, 0.4049 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 28.5537, 0.3291, 0.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

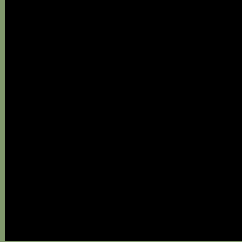
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5537, 0.3291, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 28.5537, 0.3291, 0.4049.



This preview shows how white text looks on a background with the Yxy color 28.5537, 0.3291, 0.4049.

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

28.5537, 0.3291, 0.4049

Protanopia

28.3593, 0.3646, 0.3911

Deuteranopia

28.1811, 0.3772, 0.3700



Tritanopia

28.5703, 0.2915, 0.3113

Trichromacy



Original Color

28.5537, 0.3291, 0.4049

Protanomaly

28.3523, 0.3510, 0.3965

Deuteranomaly

28.0628, 0.3587, 0.3819

Tritanomaly

28.3749, 0.3049, 0.3440

Monochromacy



Original Color

28.5537, 0.3291, 0.4049

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.1541, 0.3199, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5537, 0.3291, 0.4049 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, 153, 109)` looks like.

```
.text, #text, p{  
    color:rgb(129, 153, 109)  
}
```

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, 153, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 153, 109) }
```

Border

The CSS property to change the border of an element to Yxy 28.5537, 0.3291, 0.4049 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, 153, 109) }
```

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

```
.border{ border-color:rgb(129, 153, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 153, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 153, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 153, 109);  
box-shadow:4px 4px 4px 4px rgb(129, 153,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5537, 0.3291, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 153, 109) }
```

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

```
.background{ background-color: rgb(129,  
153, 109) }
```

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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