

Converting Colors

$Yxy(36.4933, 0.2839, 0.2768)$

Have a look what the booklet for
Yxy(36.4933, 0.2839, 0.2768)
contains.

Yxy(36.5089, 0.2836, 0.2770)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5089, 0.2836, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	A29FC5
RGB	162, 159, 197
RGB Percent	64%, 62%, 77%
CMY	0.3647, 0.3765, 0.2274
CMYK	0.18, 0.19, 0.00, 0.23
HSL	245°, 25%, 70%
HSV	245°, 19%, 77%
XYZ	37.3788, 36.5089, 57.9134
YIQ	164.2290, -10.4100, 12.4540

Conversions

Conversions Part 2

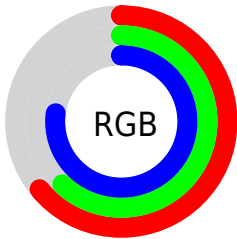
Format	Color
RYB	162, 159, 197
Decimal	10657733
CIELab	66.91, 8.97, -19.10
CIElCh	67, 21.102, 295.146
Yxy	36.5089, 0.2836, 0.2770
Android (android.graphics.Color)	4288847813 (0xFFA29FC5)
YUV	164.2290, 16.1561, -1.9548
Hunter-Lab	60.4226, 4.6846, -14.5320

Details

The Yxy color **36.5089, 0.2836, 0.2770** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.9180, 0.3389, 0.3769**, and the grayscale version is **37.1657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0006, 0.2890, 0.2868**, and **16.0233, 0.2747, 0.2628** is the 20% darker color. If you saturate the color by 10%, you get **28.5004, 0.2657, 0.2456**, and if you desaturate by 10%, it is **45.8746, 0.2996, 0.3054**.

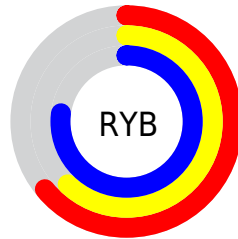
Distribution



Red (64%)

Green (62%)

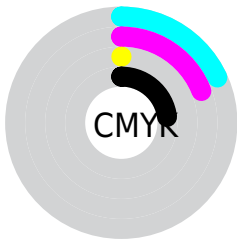
Blue (77%)



Red (64%)

Yellow (62%)

Blue (77%)

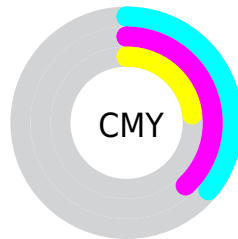


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (23%)



Cyan (36%)

Magenta (38%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5089, 0.2836, 0.2770 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 36.5089, 0.2836, 0.2770 by changing the saturation by 10% instead.

■ 36.5089, 0.2836,
0.2770

■ 36.5089, 0.2836,
0.2770

■ 331.1794, 0.2988,
0.3033

■ 24.8275, 0.2796,
0.2704

■ 69.8168, 0.2893,
0.2866

■ 15.9486, 0.2744,
0.2618

■ 92.2121, 0.2914,
0.2902

■ 9.4878, 0.2672,
0.2504

■ 118.9475, 0.2931,
0.2932

■ 5.0607, 0.2569,
0.2345

■ 150.4073, 0.2946,
0.2958

■ 2.2829, 0.2409,
0.2108

■ 186.9761, 0.2959,
0.2981

■ 0.7646, 0.2133,
0.1717

■ 229.0381, 0.2970,

■ 0.0000, 0.0000,

0.3000

0.0000

276.9777, 0.2980,
0.3018

■ 36.5089, 0.2836,
0.2770

■ 36.5089, 0.2836,
0.2770

■ 28.5004, 0.2657,
0.2456

■ 45.8746, 0.2996,
0.3054

■ 21.7819, 0.2462,
0.2119

■ 56.6517, 0.3136,
0.3307

■ 16.2872, 0.2258,
0.1772

■ 68.8969, 0.3258,
0.3528

■ 11.9423, 0.2056,
0.1434

■ 82.6624, 0.3362,
0.3719

■ 8.6654, 0.1868,
0.1129

■ 96.3849, 0.3457,
0.3863

■ 6.3638, 0.1711,
0.0882

■ 96.8123, 0.3472,
0.3860

■ 4.9287, 0.1596,
0.0712

■ 4.1799, 0.1527,
0.0618

■ 4.1386, 0.1524,
0.0613

Harmonies

Analogous

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



36.5089, 0.2616, 0.2793



36.5089, 0.2836, 0.2770



36.5089, 0.3144, 0.2870

Triad

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



36.5089, 0.2836, 0.2770



36.5089, 0.3765, 0.3585



36.5089, 0.2789, 0.3520

Complementary

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



36.5089, 0.2836, 0.2770



53.9180, 0.3389, 0.3769

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.



36.5089, 0.3085, 0.3767



36.5089, 0.2836, 0.2770



36.5089, 0.3654, 0.3787

Square

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



36.5089, 0.2836, 0.2770



36.5089, 0.3694, 0.3325



36.5089, 0.3402, 0.3863



36.5089, 0.2589, 0.3212

Rectangle

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



36.5089, 0.2836, 0.2770



36.5089, 0.3361, 0.2994



36.5089, 0.3402, 0.3863



36.5089, 0.2880, 0.3614

Sweetspot

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



36.5104, 0.2836, 0.2770



88.0484, 0.3043, 0.3139



50.2044, 0.2839, 0.3256



18.5799, 0.3034, 0.3122



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.5104, 0.2836, 0.2770



59.2731, 0.2766, 0.2646



38.5976, 0.2999, 0.2794



10.3268, 0.2995, 0.3052



2.7363, 0.1528, 0.0616



0.1437, 0.1626, 0.0669

Inverse Universe

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



40.5657, 0.3176, 0.2852



67.8231, 0.3187, 0.2758



51.6154, 0.3235, 0.3793



10.8016, 0.3150, 0.3080



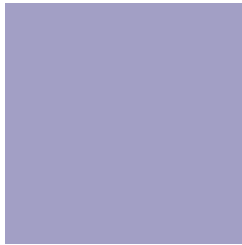
10.0196, 0.3416, 0.1655



0.4788, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 36.5089, 0.2836, 0.2770 looks on a white background.

Color Contrast Check

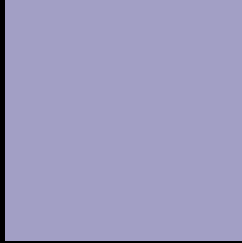
Large Text (above 18pt) WCAG AA × Fail

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 36.5089, 0.2836, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

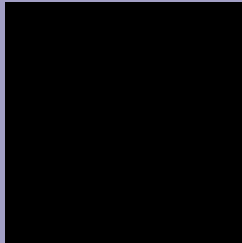
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5089, 0.2836, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 36.5089, 0.2836, 0.2770.



This preview shows how white text looks on a background with the Yxy color 36.5089, 0.2836, 0.2770.

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

36.5089, 0.2836, 0.2770

Protanopia

36.4833, 0.2756, 0.2763

Deuteranopia

36.4046, 0.2828, 0.2769



Tritanopia

36.5981, 0.2971, 0.3104

Trichromacy



Original Color

36.5089, 0.2836, 0.2770

Protanomaly

36.3869, 0.2787, 0.2766

Deuteranomaly

36.4046, 0.2828, 0.2769

Tritanomaly

36.6723, 0.2914, 0.2980

Monochromacy



Original Color

36.5089, 0.2836, 0.2770

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.7618, 0.3016, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5089, 0.2836, 0.2770 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(162, 159, 197)` looks like.

```
.text, #text, p{  
    color:rgb(162, 159, 197)  
}
```

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(162, 159, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 159, 197) }
```

Border

The CSS property to change the border of an element to Yxy 36.5089, 0.2836, 0.2770 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(162, 159, 197) }
```

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

```
.border{ border-color:rgb(162, 159, 197) }
```

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

Here you see how a box with a 4 pixel rgb(162, 159, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 159, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 159, 197);  
box-shadow:4px 4px 4px 4px rgb(162, 159,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5089, 0.2836, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 159, 197) }
```

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

```
.background{ background-color: rgb(162,  
159, 197) }
```

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