

Converting Colors

$Y_{xy}(37.7750, 0.2936, 0.2686)$

Have a look what the booklet for
Yxy(37.7750, 0.2936, 0.2686)
contains.

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Color

Yxy(37.6724, 0.2936, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	B39CCB
RGB	179, 156, 203
RGB Percent	70%, 61%, 80%
CMY	0.2981, 0.3882, 0.2040
CMYK	0.12, 0.23, 0.00, 0.20
HSL	269°, 31%, 70%
HSV	269°, 23%, 80%
XYZ	41.2556, 37.6724, 61.5883
YIQ	168.2350, -1.3790, 19.4930

Conversions

Conversions Part 2

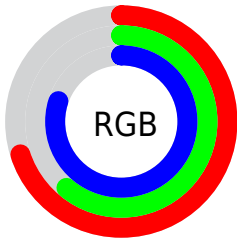
Format	Color
R_{YB}	179, 156, 203
Decimal	11771083
CIE _{Lab}	67.78, 17.46, -20.96
CIE _{LCh}	68, 27.278, 309.799
Yxy	37.6724, 0.2936, 0.2681
Android (android.graphics.Color)	4289961163 (0xFFB39CCB)
YUV	168.2350, 17.1391, 9.4409
Hunter-Lab	61.3778, 12.5688, -16.5288

Details

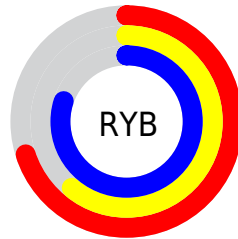
The Yxy color **37.6724, 0.2936, 0.2681** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.8099, 0.3285, 0.3899**, and the grayscale version is **39.1943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4707, 0.3006, 0.2842**, and **16.7087, 0.2872, 0.2515** is the 20% darker color. If you saturate the color by 10%, you get **30.2317, 0.2832, 0.2390**, and if you desaturate by 10%, it is **46.3476, 0.3027, 0.2957**.

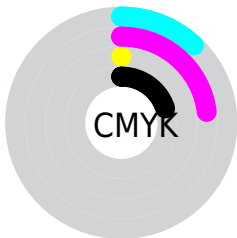
Distribution



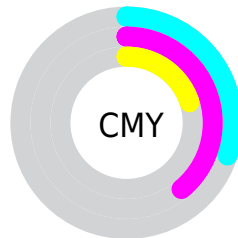
- Red (70%)
- Green (61%)
- Blue (80%)



- Red (70%)
- Yellow (61%)
- Blue (80%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)





- Cyan (30%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6724, 0.2936, 0.2681 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 37.6724, 0.2936, 0.2681 by changing the saturation by 10% instead.


 37.6724, 0.2936,
0.2681


 37.6724, 0.2936,
0.2681


336.2126, 0.3038,
0.2983

 25.7285, 0.2908,
0.2607


 71.6057, 0.2975,
0.2790

 16.6207, 0.2872,
0.2512


 94.3640, 0.2989,
0.2831

 9.9644, 0.2822,
0.2388


121.4958, 0.3000,
0.2866

 5.3754, 0.2748,
0.2217

153.3856, 0.3010,
0.2896

 2.4691, 0.2632,
0.1971

190.4178, 0.3019,
0.2922

 0.8611, 0.2426,
0.1592

232.9768, 0.3026,

 0.0000, 0.1366,

0.2945

0.0000

281.4469, 0.3033,
0.2965

0.0000, 0.0000,
0.0000

37.6724, 0.2936,
0.2681

37.6724, 0.2936,
0.2681

30.2317, 0.2832,
0.2390

46.3476, 0.3027,
0.2957

23.9620, 0.2716,
0.2092

56.3070, 0.3105,
0.3214

18.8017, 0.2589,
0.1798

67.6035, 0.3171,
0.3448

14.6809, 0.2456,
0.1522

80.2855, 0.3227,
0.3661

11.5218, 0.2321,
0.1280

92.7918, 0.3277,
0.3827

■ 9.2350, 0.2191,
0.1084

■ 94.5667, 0.3344,
0.3816

■ 7.7131, 0.2071,
0.0944

■ 96.4454, 0.3413,
0.3804

■ 6.9815, 0.1996,
0.0873

■ 97.0912, 0.3436,
0.3800

Harmonies

Analogous

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



37.6724, 0.2596, 0.2629



37.6724, 0.2936, 0.2681



37.6724, 0.3351, 0.2871

Triad

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



37.6724, 0.2936, 0.2681



37.6724, 0.3899, 0.3798



37.6724, 0.2554, 0.3389

Complementary

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



37.6724, 0.2936, 0.2681



54.8099, 0.3285, 0.3899

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.



37.6724, 0.2875, 0.3771



37.6724, 0.2936, 0.2681



37.6724, 0.3655, 0.3998

Square

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



37.6724, 0.2936, 0.2681



37.6724, 0.3929, 0.3490



37.6724, 0.3277, 0.4001



37.6724, 0.2387, 0.3005

Rectangle

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



37.6724, 0.2936, 0.2681



37.6724, 0.3612, 0.3055



37.6724, 0.3277, 0.4001



37.6724, 0.2646, 0.3524

Sweetspot

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



37.6740, 0.2936, 0.2681



87.4470, 0.3076, 0.3115



44.1360, 0.2764, 0.2985



18.4968, 0.3071, 0.3099



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.



37.6740, 0.2936, 0.2681



56.3228, 0.2883, 0.2530



40.6761, 0.3147, 0.2719



11.1089, 0.3058, 0.3056



4.4975, 0.2010, 0.0881



0.2771, 0.2227, 0.1001

Inverse Universe

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



39.7700, 0.3364, 0.2990



60.5459, 0.3433, 0.2918



52.2535, 0.3103, 0.3934



11.3077, 0.3211, 0.3172



8.7304, 0.4897, 0.2471



0.4657, 0.4480, 0.2242

Previews

White Background



This preview shows how the Yxy color 37.6724, 0.2936, 0.2681 looks on a white background.

Color Contrast Check

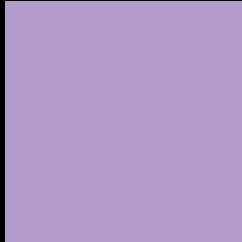
Large Text (above 18pt) WCAG AA × Fail

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 37.6724, 0.2936, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

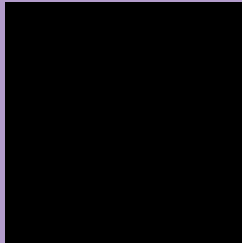
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6724, 0.2936, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 37.6724, 0.2936, 0.2681.



This preview shows how white text looks on a background with the Yxy color 37.6724, 0.2936, 0.2681.

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

37.6724, 0.2936, 0.2681

Protanopia

37.6185, 0.2694, 0.2680

Deuteranopia

37.8915, 0.2809, 0.2751



Tritanopia

37.5444, 0.3136, 0.3111

Trichromacy



Original Color

37.6724, 0.2936, 0.2681

Protanomaly

37.3844, 0.2777, 0.2675

Deuteranomaly

37.8409, 0.2858, 0.2732

Tritanomaly

37.5292, 0.3059, 0.2939

Monochromacy



Original Color

37.6724, 0.2936, 0.2681

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.6578, 0.3055, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6724, 0.2936, 0.2681 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(179, 156, 203)` looks like.

```
.text, #text, p{  
    color:rgb(179, 156, 203)  
}
```

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(179, 156, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 156, 203) }
```

Border

The CSS property to change the border of an element to Yxy 37.6724, 0.2936, 0.2681 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(179, 156, 203) }
```

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

```
.border{ border-color:rgb(179, 156, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 156, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 156, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 156, 203);  
box-shadow:4px 4px 4px 4px rgb(179, 156,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6724, 0.2936, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 156, 203) }
```

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

```
.background{ background-color: rgb(179,  
156, 203) }
```

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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