

Converting Colors

$Y_{xy}(37.7520, 0.2905, 0.2800)$

Have a look what the booklet for
Yxy(37.7520, 0.2905, 0.2800)
contains.

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Color

Yxy(37.7189, 0.2906, 0.2794)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AAA0C5 |
| RGB | 170, 160, 197 |
| RGB Percent | 67%, 63%, 77% |
| CMY | 0.3333, 0.3726, 0.2274 |
| CMYK | 0.14, 0.19, 0.00, 0.23 |
| HSL | 256°, 24%, 70% |
| HSV | 256°, 19%, 77% |
| XYZ | 39.2309, 37.7189, 58.0498 |
| YIQ | 167.2080, -5.9170, 13.6270 |

Conversions

Conversions Part 2

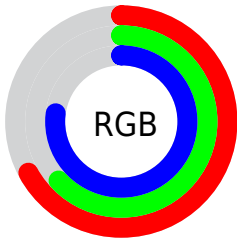
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 170, 160, 197 |
| Decimal | 11182277 |
| CIE Lab | 67.81, 11.01, -17.67 |
| CIE LCh | 68, 20.820, 301.942 |
| Yxy | 37.7189, 0.2906, 0.2794 |
| Android (android.graphics.Color) | 4289372357 (0xFFAAA0C5) |
| YUV | 167.2080, 14.6875, 2.4486 |
| Hunter-Lab | 61.4157, 6.5440, -13.0496 |

Details

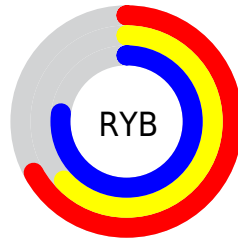
The Yxy color **37.7189, 0.2906, 0.2794** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0465, 0.3323, 0.3765**, and the grayscale version is **38.6815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9254, 0.2951, 0.2886**, and **16.7720, 0.2843, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **29.9071, 0.2764, 0.2494**, and if you desaturate by 10%, it is **46.7914, 0.3031, 0.3070**.

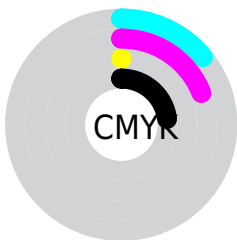
Distribution



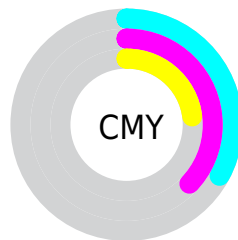
- Red (67%)
- Green (63%)
- Blue (77%)



- Red (67%)
- Yellow (63%)
- Blue (77%)



- Cyan (14%)
- Magenta (19%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (37%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7189, 0.2906, 0.2794 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 37.7189, 0.2906, 0.2794 by changing the saturation by 10% instead.

■ 37.7189, 0.2906,
0.2794

■ 37.7189, 0.2906,
0.2794

■ 336.4126, 0.3022,
0.3043

■ 25.7646, 0.2875,
0.2732

■ 71.6771, 0.2949,
0.2885

■ 16.6476, 0.2835,
0.2652

■ 94.4497, 0.2965,
0.2919

■ 9.9836, 0.2780,
0.2545

■ 121.5973, 0.2979,
0.2947

■ 5.3881, 0.2700,
0.2397

■ 153.5042, 0.2990,
0.2972

■ 2.4767, 0.2576,
0.2178

■ 190.5548, 0.3000,
0.2993

■ 0.8649, 0.2356,
0.1826

■ 233.1334, 0.3008,


■ 0.0000, 0.0384,


0.3012


0.0000

281.6246, 0.3015,
0.3029


 0.0000, 0.0000,
0.0000


 37.7189, 0.2906,
0.2794


 37.7189, 0.2906,
0.2794


 29.9071, 0.2764,
0.2494


 46.7914, 0.3031,
0.3070


 23.2948, 0.2606,
0.2176


 57.1729, 0.3139,
0.3319


 17.8229, 0.2436,
0.1850

 68.9145, 0.3232,
0.3540

 13.4249, 0.2259,
0.1533

 82.0637, 0.3311,
0.3736

 10.0275, 0.2084,
0.1242

 94.4064, 0.3384,
0.3876

■ 7.5481, 0.1923,
0.0998

■ 96.8123, 0.3472,
0.3860

■ 5.8899, 0.1784,
0.0818

■ 4.8976, 0.1675,
0.0702

■ 4.7979, 0.1664,
0.0690

Harmonies

Analogous

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



37.7189, 0.2666, 0.2788



37.7189, 0.2906, 0.2794



37.7189, 0.3217, 0.2917

Triad

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



37.7189, 0.2906, 0.2794



37.7189, 0.3740, 0.3631



37.7189, 0.2743, 0.3448

Complementary

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



37.7189, 0.2906, 0.2794



53.0465, 0.3323, 0.3765

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.



37.7189, 0.3016, 0.3711



37.7189, 0.2906, 0.2794



37.7189, 0.3596, 0.3805

Square

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



37.7189, 0.2906, 0.2794



37.7189, 0.3712, 0.3384



37.7189, 0.3328, 0.3843



37.7189, 0.2576, 0.3150

Rectangle

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



37.7189, 0.2906, 0.2794



37.7189, 0.3424, 0.3050



37.7189, 0.3328, 0.3843



37.7189, 0.2825, 0.3545

Sweetspot

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



37.7205, 0.2906, 0.2794



88.5683, 0.3062, 0.3140



47.1097, 0.2841, 0.3158



18.7023, 0.3054, 0.3123



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.



37.7205, 0.2906, 0.2794



60.8880, 0.2843, 0.2660



39.9128, 0.3070, 0.2818



10.4240, 0.3024, 0.3054



3.1907, 0.1675, 0.0696



0.1879, 0.1906, 0.0824

Inverse Universe

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



40.6018, 0.3237, 0.2949



67.1375, 0.3269, 0.2863



50.8761, 0.3172, 0.3788



10.7657, 0.3178, 0.3123



9.1404, 0.4028, 0.1993



0.4444, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 37.7189, 0.2906, 0.2794 looks on a white background.

Color Contrast Check

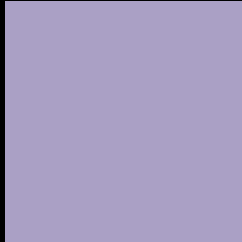
Large Text (above 18pt) WCAG AA × Fail

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 37.7189, 0.2906, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

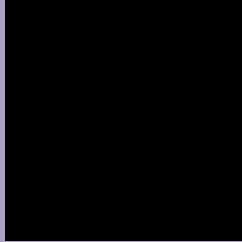
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7189, 0.2906, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 37.7189, 0.2906, 0.2794.



This preview shows how white text looks on a background with the Yxy color 37.7189, 0.2906, 0.2794.

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

37.7189, 0.2906, 0.2794

Protanopia

37.8891, 0.2776, 0.2797

Deuteranopia

37.6279, 0.2872, 0.2803



Tritanopia

37.9407, 0.3044, 0.3109

Trichromacy



Original Color

37.7189, 0.2906, 0.2794

Protanomaly

37.9993, 0.2824, 0.2801

Deuteranomaly

37.7364, 0.2880, 0.2804

Tritanomaly

37.9799, 0.2994, 0.3001

Monochromacy



Original Color

37.7189, 0.2906, 0.2794

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.0901, 0.3044, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7189, 0.2906, 0.2794 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(170, 160, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 160, 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(170, 160, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 160, 197) }
```

Border

The CSS property to change the border of an element to Yxy 37.7189, 0.2906, 0.2794 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(170, 160, 197) }
```

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

```
.border{ border-color:rgb(170, 160, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 160, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 160, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 160, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 160,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7189, 0.2906, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 160, 197) }
```

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

```
.background{ background-color: rgb(170,  
160, 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](#).

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