Converting Colors

Yxy(2.2785, 0.3934, 0.3700)

Have a look what the booklet for Yxy(2.2785, 0.3934, 0.3700) contains.

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Color

Yxy(2.2966, 0.3902, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	35271D
RGB	53, 39, 29
RGB Percent	21%, 15%, 11%
CMY	0.7922, 0.8471, 0.8863
CMYK	0.00, 0.26, 0.45, 0.79
HSL	25°, 29%, 16%
HSV	25°, 45%, 21%
XYZ	2.4155, 2.2966, 1.4782
YIQ	42.0460, 11.5540, -0.1420

Conversions

Conversions Part 2

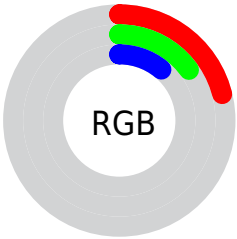
Format	Color
RYB	53, 46, 29
Decimal	3483421
CIELab	16.97, 4.88, 9.14
CIELCh	17, 10.358, 61.901
Yxy	2.2966, 0.3902, 0.3710
Android (android.graphics.Color)	4281673501 (0xFF35271D)
YUV	42.0460, -6.4317, 9.6067
Hunter-Lab	15.1545, 1.9303, 4.8248

Details

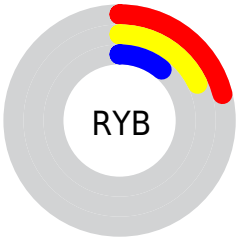
The Yxy color 2.2966, 0.3902, 0.3710 is a dark color, and the websafe version is hex 333333. A complement of this color would be 2.2458, 0.2531, 0.2823, and the grayscale version is 2.3253, 0.3127, 0.3290.

A 20% lighter version of the original color is 9.5310, 0.3593, 0.3557, and 0.0000, 0.0000, 0.0000 is the 20% darker color. If you saturate the color by 10%, you get 2.0779, 0.4131, 0.3802, and if you desaturate by 10%, it is 2.5366, 0.3694, 0.3614.

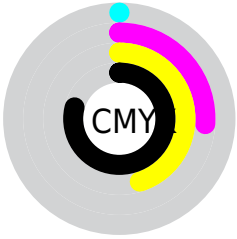
Distribution



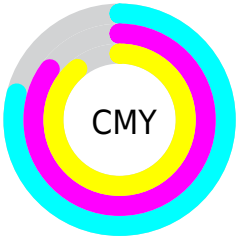
- Red (21%)
- Green (15%)
- Blue (11%)



- Red (21%)
- Yellow (18%)
- Blue (11%)



- Cyan (0%)
- Magenta (26%)
- Yellow (45%)
- Black (79%)



- Cyan (79%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 2.2966, 0.3902, 0.3710 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 2.2966, 0.3902, 0.3710 by changing the saturation by 10% instead.

2.2966, 0.3902, 0.3710

2.2966, 0.3902, 0.3710

119.1382, 0.3333, 0.3412

0.7719, 0.4669, 0.4226

9.5231, 0.3609, 0.3563

0.0000, 0.0000, 0.0000

15.9986, 0.3532, 0.3522

24.8946, 0.3476, 0.3492

36.5957, 0.3433, 0.3468

51.4862, 0.3400, 0.3450

69.9505, 0.3374,

0.3435

92.3731, 0.3352, 0.3422

2.2966, 0.3902, 0.3710

2.2966, 0.3902, 0.3710

2.0779, 0.4131, 0.3802

2.5366, 0.3694, 0.3614

1.8796, 0.4379, 0.3884

2.7982, 0.3508, 0.3518

1.7010, 0.4641, 0.3949

3.0820, 0.3343, 0.3425

1.5413, 0.4911, 0.3996

3.3887, 0.3197, 0.3335

1.3970, 0.5226, 0.4058

3.7186, 0.3069, 0.3251

1.3341, 0.5396, 0.4098

4.0724, 0.2956, 0.3172

4.4505, 0.2857, 0.3098

4.8534, 0.2769, 0.3029

5.2816, 0.2692, 0.2966

Harmonies

Analogous

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

2.2966, 0.3869, 0.3399

2.2966, 0.3902, 0.3710

2.2966, 0.3716, 0.3938

Triad

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

2.2966, 0.3902, 0.3710

2.2966, 0.2643, 0.3489

2.2966, 0.2846, 0.2673

Complementary

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

2.2966, 0.3902, 0.3710

2.2458, 0.2531, 0.2823

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.

2.2966, 0.2549, 0.2662

2.2966, 0.3902, 0.3710

2.2966, 0.2438, 0.3106

Square

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

2.2966, 0.3902, 0.3710

2.2966, 0.2983, 0.3831

2.2966, 0.2405, 0.2810

2.2966, 0.3237, 0.2825

Rectangle

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

2.2966, 0.3902, 0.3710

2.2966, 0.3501, 0.4000

2.2966, 0.2405, 0.2810

2.2966, 0.2733, 0.2653

Sweetspot

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

2.2967, 0.3902, 0.3710

5.1580, 0.3334, 0.3420

1.8099, 0.3516, 0.2716

1.5032, 0.3345, 0.3426

36.7246, 0.3127, 0.3290

1.7389, 0.3127, 0.3290

Same Dimension

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

2.2967, 0.3902, 0.3710

3.4085, 0.4166, 0.3814

3.2132, 0.3723, 0.4163

0.9285, 0.3237, 0.3361

3.4716, 0.5531, 0.3991

22.0820, 0.5666, 0.3883

Inverse Universe

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

2.2458, 0.2531, 0.2823

3.3084, 0.2386, 0.2681

1.4981, 0.2444, 0.2233

0.9254, 0.3022, 0.3218

3.1863, 0.1880, 0.1968

20.0254, 0.1847, 0.1849

Previews

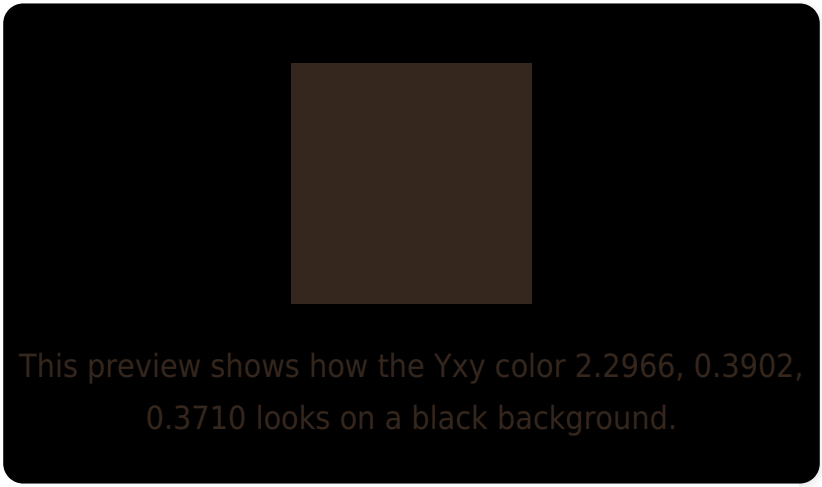
White Background

This preview shows how the Yxy color 2.2966, 0.3902, 0.3710 looks on a white 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

Black Background

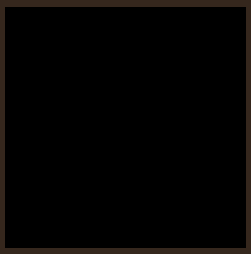


Color Contrast Check

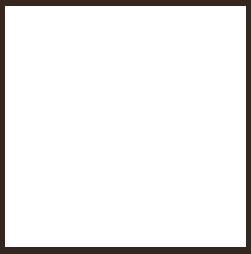
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 2.2966, 0.3902, 0.3710 Background



This preview shows how black text looks on a background with the Yxy color 2.2966, 0.3902, 0.3710.



This preview shows how white text looks on a background with the Yxy color 2.2966, 0.3902, 0.3710.

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
2.2966, 0.3902, 0.3710

Protanopia
2.3076, 0.3567, 0.3838

Deuteranopia
2.2844, 0.3787, 0.3768

Tritanopia
2.2606, 0.3596, 0.3168

Trichromacy

Original Color
2.2966, 0.3902, 0.3710

Protanomaly
2.3080, 0.3677, 0.3778

Deuteranomaly
2.3101, 0.3820, 0.3762

Tritanomaly
2.2979, 0.3719, 0.3374

Monochromacy

Original Color
2.2966, 0.3902, 0.3710

Achromatopsia
2.3153, 0.3127, 0.3290

Achromatomaly
2.3003, 0.3399, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 2.2966, 0.3902, 0.3710 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(53, 39, 29) looks like.

```
.text, #text, p{
    color:rgb(53, 39, 29)
}
```

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(53, 39, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 39, 29) }
```

Border

The CSS property to change the border of an element to Yxy 2.2966, 0.3902, 0.3710 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(53, 39, 29) }
```

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

```
.border{ border-color:rgb(53, 39, 29) }
```

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

Here you see how a box with a 4 pixel rgb(53, 39, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(53, 39, 29); -webkit-box-shadow:4px 4px 4px 4px rgb(53, 39, 29); box-shadow:4px 4px 4px 4px rgb(53, 39, 29) }
```

Background

The CSS property to change the background color of an element to Yxy 2.2966, 0.3902, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(53, 39, 29) }
```

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

```
.background{ background-color:rgb(53, 39,
29) }
```

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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