

Converting Colors

$Y_{xy}(12.2670, 0.2965, 0.2952)$

Have a look what the booklet for
Yxy(12.2670, 0.2965, 0.2952)
contains.

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Color

Yxy(12.2449, 0.2968, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	646070
RGB	100, 96, 112
RGB Percent	39%, 38%, 44%
CMY	0.6079, 0.6235, 0.5608
CMYK	0.11, 0.14, 0.00, 0.56
HSL	255°, 8%, 41%
HSV	255°, 14%, 44%
XYZ	12.3615, 12.2449, 17.0429
YIQ	99.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

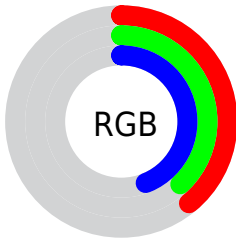
Format	Color
R_{YB}	100, 96, 112
Decimal	6578288
CIE _{Lab}	41.60, 5.04, -8.47
CIE _{LCh}	42, 9.856, 300.751
Yxy	12.2449, 0.2968, 0.2940
Android (android.graphics.Color)	4284768368 (0xFF646070)
YUV	99.0200, 6.3991, 0.8595
Hunter-Lab	34.9927, 1.8196, -4.3818

Details

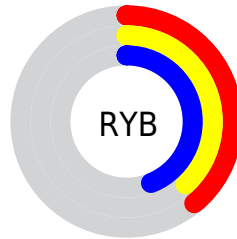
The Yxy color **12.2449, 0.2968, 0.2940** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6248, 0.3273, 0.3628**, and the grayscale version is **12.4664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8174, 0.3008, 0.3016**, and **3.4083, 0.2882, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **9.8894, 0.2838, 0.2665**, and if you desaturate by 10%, it is **14.9423, 0.3083, 0.3190**.

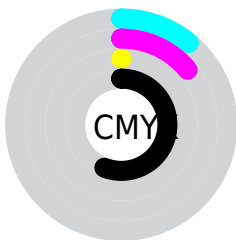
Distribution



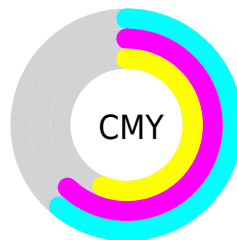
- Red (39%)
- Green (38%)
- Blue (44%)



- Red (39%)
- Yellow (38%)
- Blue (44%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2449, 0.2968, 0.2940 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 12.2449, 0.2968, 0.2940 by changing the saturation by 10% instead.

■ 12.2449, 0.2968,
0.2940

■ 12.2449, 0.2968,
0.2940

206.0199, 0.3066,
0.3150

■ 6.9107, 0.2934,
0.2870

■ 29.9404, 0.3010,
0.3028

■ 3.4063, 0.2882,
0.2766

■ 43.0704, 0.3023,
0.3057

■ 1.3474, 0.2791,
0.2593

■ 59.5679, 0.3034,
0.3080

■ 0.1774, 0.2325,
0.1414

■ 79.8171, 0.3043,
0.3099

■ 0.0000, 0.0000,
0.0000

104.2025, 0.3050,
0.3115

133.1085, 0.3056,

0.3129

166.9195, 0.3061,
0.3140

■ 12.2449, 0.2968,
0.2940

■ 12.2449, 0.2968,
0.2940

■ 9.8894, 0.2838,
0.2665

■ 14.9423, 0.3083,
0.3190

■ 7.8606, 0.2692,
0.2370

■ 17.9930, 0.3182,
0.3416

■ 6.1441, 0.2532,
0.2061

■ 21.4099, 0.3268,
0.3616

■ 4.7243, 0.2363,
0.1749

■ 25.2045, 0.3342,
0.3794

■ 3.5838, 0.2191,
0.1448

■ 29.3882, 0.3405,
0.3951

■ 2.7036, 0.2025,
0.1178

■ 33.9715, 0.3458,
0.4089

■ 2.0621, 0.1873,
0.0953

■ 38.9648, 0.3504,
0.4211

■ 1.6260, 0.1745,
0.0786

■ 44.3779, 0.3543,
0.4318

■ 1.4141, 0.1679,
0.0699

■ 50.2205, 0.3576,
0.4413

Harmonies

Analogous

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



12.2449, 0.2801, 0.2943



12.2449, 0.2968, 0.2940



12.2449, 0.3183, 0.3023

Triad

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



12.2449, 0.2968, 0.2940



12.2449, 0.3549, 0.3525



12.2449, 0.2868, 0.3407

Complementary

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



12.2449, 0.2968, 0.2940



15.6248, 0.3273, 0.3628

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.



12.2449, 0.3061, 0.3580



12.2449, 0.2968, 0.2940



12.2449, 0.3457, 0.3643

Square

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



12.2449, 0.2968, 0.2940



12.2449, 0.3524, 0.3353



12.2449, 0.3277, 0.3667



12.2449, 0.2745, 0.3206

Rectangle

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



12.2449, 0.2968, 0.2940



12.2449, 0.3324, 0.3117



12.2449, 0.3277, 0.3667



12.2449, 0.2927, 0.3471

Sweetspot

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



12.2454, 0.2968, 0.2940



26.3369, 0.3085, 0.3195



14.4402, 0.2920, 0.3208



6.2518, 0.3078, 0.3180



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2454, 0.2968, 0.2940



20.1374, 0.2928, 0.2856



12.7091, 0.3080, 0.2952



3.3368, 0.3031, 0.3075



1.6247, 0.1673, 0.0695



7.7419, 0.1630, 0.0671

Inverse Universe

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



12.8959, 0.3199, 0.3038



21.5095, 0.3216, 0.2981



15.1594, 0.3167, 0.3640



3.4400, 0.3170, 0.3133



4.7222, 0.3924, 0.1935



23.3809, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 12.2449, 0.2968, 0.2940 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 × Fail

Black Background



This preview shows how the Yxy color 12.2449, 0.2968, 0.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

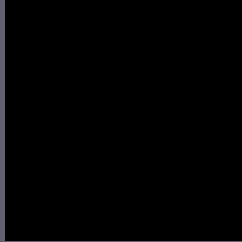
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2449, 0.2968, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 12.2449, 0.2968, 0.2940.



This preview shows how white text looks on a background with the Yxy color 12.2449, 0.2968, 0.2940.

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

12.2449, 0.2968, 0.2940

Protanopia

12.1745, 0.2886, 0.2934

Deuteranopia

12.3023, 0.2983, 0.2942



Tritanopia

12.2220, 0.3047, 0.3111

Trichromacy



Original Color

12.2449, 0.2968, 0.2940

Protanomaly

12.2830, 0.2914, 0.2937

Deuteranomaly

12.3023, 0.2983, 0.2942

Tritanomaly

12.2847, 0.3007, 0.3046

Monochromacy



Original Color

12.2449, 0.2968, 0.2940

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3875, 0.3060, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2449, 0.2968, 0.2940 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(100, 96, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 96, 112)  
}
```

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(100, 96, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 96, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.2449, 0.2968, 0.2940 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(100, 96, 112) }
```

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

```
.border{ border-color:rgb(100, 96, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 96, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 96, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 96, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 96,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2449, 0.2968, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 96, 112) }
```

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

```
.background{ background-color: rgb(100, 96,  
112) }
```

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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