

Converting Colors

$Y_{xy}(13.5648, 0.2966, 0.3090)$

Have a look what the booklet for
Yxy(13.5648, 0.2966, 0.3090)
contains.

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Color

Yxy(13.5797, 0.2970, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	646770
RGB	100, 103, 112
RGB Percent	39%, 40%, 44%
CMY	0.6078, 0.5961, 0.5608
CMYK	0.11, 0.08, 0.00, 0.56
HSL	225°, 6%, 42%
HSV	225°, 11%, 44%
XYZ	13.0312, 13.5797, 17.2653
YIQ	103.1290, -4.6770, 2.1630

Conversions

Conversions Part 2

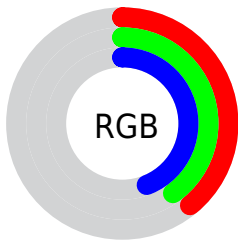
Format	Color
R_{YB}	100, 102, 112
Decimal	6580080
CIE Lab	43.62, 0.82, -5.45
CIE LCh	44, 5.513, 278.568
Yxy	13.5797, 0.2970, 0.3095
Android (android.graphics.Color)	4284770160 (0xFF646770)
YUV	103.1290, 4.3734, -2.7441
Hunter-Lab	36.8506, -1.3669, -1.9832

Details

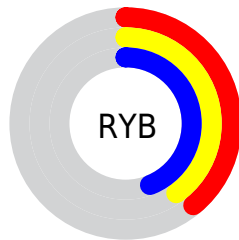
The Yxy color **13.5797, 0.2970, 0.3095** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3058, 0.3284, 0.3478**, and the grayscale version is **13.5892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3708, 0.3008, 0.3139**, and **3.9554, 0.2890, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **11.3955, 0.2811, 0.2890**, and if you desaturate by 10%, it is **16.0211, 0.3117, 0.3278**.

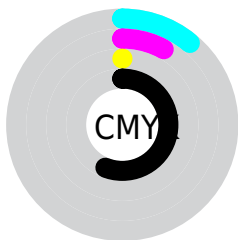
Distribution



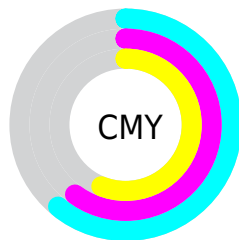
- Red (39%)
- Green (40%)
- Blue (44%)



- Red (39%)
- Yellow (40%)
- Blue (44%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5797, 0.2970, 0.3095 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 13.5797, 0.2970, 0.3095 by changing the saturation by 10% instead.

■ 13.5797, 0.2970,
0.3095

■ 13.5797, 0.2970,
0.3095

214.6002, 0.3064,
0.3212

■ 7.8289, 0.2938,
0.3056

■ 32.3414, 0.3009,
0.3144

■ 3.9857, 0.2891,
0.2998

■ 46.1211, 0.3023,
0.3160

■ 1.6656, 0.2813,
0.2903

■ 63.3459, 0.3033,
0.3173

■ 0.4012, 0.2477,
0.2476

■ 84.4002, 0.3042,
0.3183

■ 0.0000, 0.0000,
0.0000

109.6684, 0.3049,
0.3192

139.5348, 0.3055,

0.3200

174.3840, 0.3060,
0.3206

■ 13.5797, 0.2970,
0.3095

■ 13.5797, 0.2970,
0.3095

■ 11.3955, 0.2811,
0.2890

■ 16.0211, 0.3117,
0.3278

■ 9.4583, 0.2642,
0.2664

■ 18.7260, 0.3252,
0.3440

■ 7.7596, 0.2465,
0.2419

■ 21.7028, 0.3374,
0.3582

■ 6.2899, 0.2286,
0.2158

■ 24.9589, 0.3484,
0.3707

■ 5.0390, 0.2111,
0.1889

■ 28.5013, 0.3584,
0.3816

■ 3.9959, 0.1947,
0.1621

■ 32.3371, 0.3673,
0.3911

■ 3.1485, 0.1804,
0.1368

■ 36.4726, 0.3754,
0.3994

■ 2.4832, 0.1689,
0.1140

■ 40.9145, 0.3826,
0.4067

■ 1.9973, 0.1599,
0.0957

■ 45.6689, 0.3891,
0.4131

Harmonies

Analogous

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



13.5797, 0.2911, 0.3136



13.5797, 0.2970, 0.3095



13.5797, 0.3071, 0.3105

Triad

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



13.5797, 0.2970, 0.3095



13.5797, 0.3350, 0.3353



13.5797, 0.3063, 0.3424

Complementary

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



13.5797, 0.2970, 0.3095



15.3058, 0.3284, 0.3478

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.



13.5797, 0.3180, 0.3484



13.5797, 0.2970, 0.3095



13.5797, 0.3347, 0.3440

Square

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



13.5797, 0.2970, 0.3095



13.5797, 0.3292, 0.3252



13.5797, 0.3285, 0.3489



13.5797, 0.2965, 0.3326

Rectangle

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



13.5797, 0.2970, 0.3095



13.5797, 0.3150, 0.3138



13.5797, 0.3285, 0.3489



13.5797, 0.3102, 0.3449

Sweetspot

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



13.5803, 0.2970, 0.3095



27.0858, 0.3083, 0.3236



15.4039, 0.3007, 0.3354



6.4329, 0.3073, 0.3224



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.



13.5803, 0.2970, 0.3095



22.8028, 0.2929, 0.3043



13.1699, 0.3011, 0.3032



3.4232, 0.2996, 0.3128



2.2753, 0.1596, 0.0945



10.1478, 0.1572, 0.0860

Inverse Universe

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



13.5403, 0.3263, 0.3227



22.7330, 0.3301, 0.3211



15.7617, 0.3236, 0.3541



3.4139, 0.3239, 0.3238



4.0755, 0.5842, 0.2992



20.1822, 0.5974, 0.3064

Previews

White Background



This preview shows how the Yxy color 13.5797, 0.2970, 0.3095 looks on a white background.

Color Contrast Check

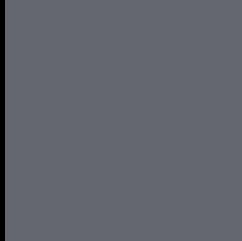
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5797, 0.2970, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

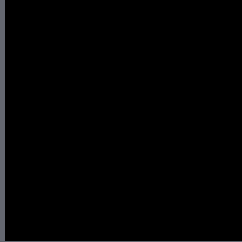
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

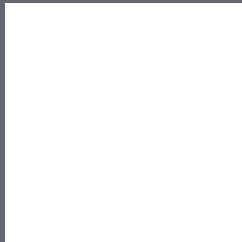
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.5797, 0.2970, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 13.5797, 0.2970, 0.3095.



This preview shows how white text looks on a background with the Yxy color 13.5797, 0.2970, 0.3095.

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

13.5797, 0.2970, 0.3095

Protanopia

13.4974, 0.2997, 0.3075

Deuteranopia

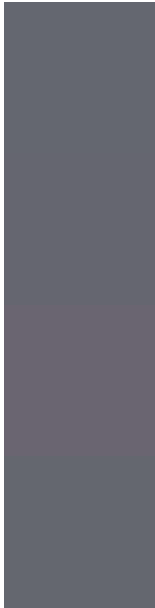
13.5578, 0.3083, 0.3019



Tritanopia

13.5575, 0.2982, 0.3116

Trichromacy



Original Color

13.5797, 0.2970, 0.3095

Protanomaly

13.4393, 0.2983, 0.3074

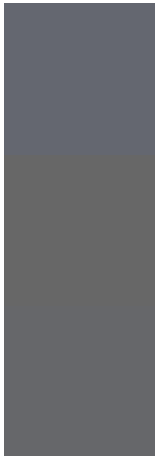
Deuteranomaly

13.5638, 0.3040, 0.3037

Tritanomaly

13.5575, 0.2982, 0.3116

Monochromacy



Original Color

13.5797, 0.2970, 0.3095

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5659, 0.3074, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5797, 0.2970, 0.3095 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, 103, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 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, 103, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 112) }
```

Border

The CSS property to change the border of an element to Yxy 13.5797, 0.2970, 0.3095 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, 103, 112) }
```

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

```
.border{ border-color:rgb(100, 103, 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, 103, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5797, 0.2970, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 103, 112) }
```

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

```
.background{ background-color: rgb(100,  
103, 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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