

Converting Colors

$Y_{xy}(40.1350, 0.2661, 0.2970)$

Have a look what the booklet for
Yxy(40.1350, 0.2661, 0.2970)
contains.

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Color

Yxy(40.1404, 0.2659, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	8AAFC6
RGB	138, 175, 198
RGB Percent	54%, 69%, 78%
CMY	0.4586, 0.3138, 0.2235
CMYK	0.30, 0.12, 0.00, 0.22
HSL	203°, 34%, 66%
HSV	203°, 30%, 78%
XYZ	36.0099, 40.1404, 59.2762
YIQ	166.5590, -29.4350, -0.6910

Conversions

Conversions Part 2

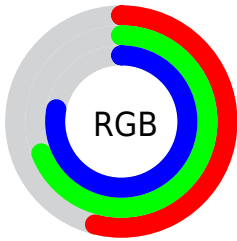
Format	Color
R_{YB}	138, 161, 198
Decimal	9088966
CIE _{Lab}	69.57, -7.04, -15.77
CIE _{LCh}	70, 17.272, 245.956
Yxy	40.1404, 0.2659, 0.2964
Android (android.graphics.Color)	4287279046 (0xFF8AAFC6)
YUV	166.5590, 15.5004, -25.0462
Hunter-Lab	63.3565, -9.4198, -11.1221

Details

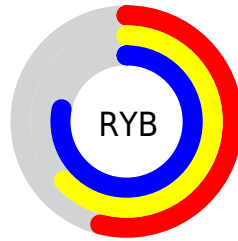
The Yxy color **40.1404, 0.2659, 0.2964** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3519, 0.3711, 0.3594**, and the grayscale version is **38.3570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7093, 0.2745, 0.3029**, and **18.1580, 0.2526, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **35.7284, 0.2508, 0.2836**, and if you desaturate by 10%, it is **45.0299, 0.2814, 0.3082**.

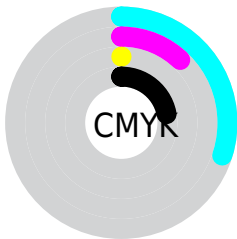
Distribution



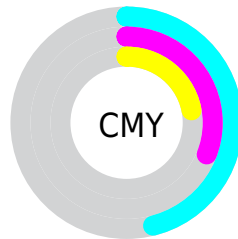
- Red (54%)
- Green (69%)
- Blue (78%)



- Red (54%)
- Yellow (63%)
- Blue (78%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (46%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1404, 0.2659, 0.2964 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 40.1404, 0.2659, 0.2964 by changing the saturation by 10% instead.

■ 40.1404, 0.2659,
0.2964

■ 40.1404, 0.2659,
0.2964

■ 346.7150, 0.2895,
0.3133

■ 27.6480, 0.2600,
0.2920

■ 75.3773, 0.2745,
0.3026

■ 18.0605, 0.2523,
0.2863

■ 98.8905, 0.2777,
0.3050

■ 10.9934, 0.2422,
0.2786

■ 126.8462, 0.2805,
0.3069

■ 6.0624, 0.2280,
0.2676

■ 159.6288, 0.2828,
0.3085

■ 2.8831, 0.2069,
0.2507

■ 197.6225, 0.2848,
0.3100

■ 1.0710, 0.1731,
0.2220

■ 241.2119, 0.2866,

■ 0.0000, 0.0000,

0.3112

0.0000

290.7812, 0.2881,
0.3123

■ 40.1404, 0.2659,
0.2964

■ 40.1404, 0.2659,
0.2964

■ 35.7284, 0.2508,
0.2836

■ 45.0299, 0.2814,
0.3082

■ 31.7698, 0.2364,
0.2700

■ 50.4103, 0.2970,
0.3190

■ 28.2450, 0.2231,
0.2557

■ 56.3003, 0.3123,
0.3287

■ 25.1307, 0.2114,
0.2410

■ 62.7158, 0.3272,
0.3375

■ 22.4007, 0.2016,
0.2261

■ 69.6722, 0.3415,
0.3452

■ 20.0245, 0.1939,
0.2114

■ 76.8316, 0.3537,
0.3521

■ 17.9998, 0.1882,
0.1975

■ 80.9256, 0.3521,
0.3596

■ 85.2034, 0.3505,
0.3670

■ 89.6673, 0.3489,
0.3742

Harmonies

Analogous

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



40.1404, 0.2665, 0.3149



40.1404, 0.2659, 0.2964



40.1404, 0.2772, 0.2874

Triad

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



40.1404, 0.2659, 0.2964



40.1404, 0.3471, 0.3186



40.1404, 0.3260, 0.3729

Complementary

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



40.1404, 0.2659, 0.2964



39.3519, 0.3711, 0.3594

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.



40.1404, 0.3485, 0.3721



40.1404, 0.2659, 0.2964



40.1404, 0.3612, 0.3399

Square

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



40.1404, 0.2659, 0.2964



40.1404, 0.3236, 0.3003



40.1404, 0.3616, 0.3595



40.1404, 0.3005, 0.3605

Rectangle

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



40.1404, 0.2659, 0.2964



40.1404, 0.2902, 0.2873



40.1404, 0.3616, 0.3595



40.1404, 0.3341, 0.3741

Sweetspot

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



40.1420, 0.2659, 0.2964



90.4128, 0.2987, 0.3202



48.3705, 0.2932, 0.3821



19.0356, 0.2965, 0.3187



0.0000, 0.0000, 0.0000



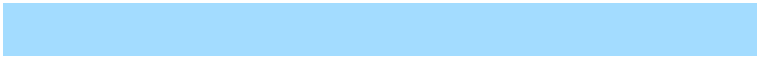
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1420, 0.2659, 0.2964



66.0933, 0.2564, 0.2885



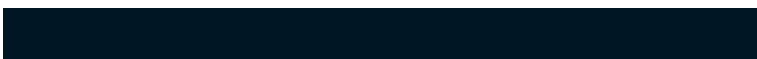
29.7487, 0.2609, 0.2519



11.3574, 0.2984, 0.3199



11.8753, 0.1887, 0.1994



0.6993, 0.1971, 0.2294

Inverse Universe

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



33.2918, 0.3392, 0.2815



52.6806, 0.3465, 0.2714



51.1069, 0.3603, 0.3959



10.7450, 0.3195, 0.3149



8.7388, 0.4460, 0.2230



0.4276, 0.4133, 0.2050

Previews

White Background



This preview shows how the Yxy color 40.1404, 0.2659, 0.2964 looks on a white background.

Color Contrast Check

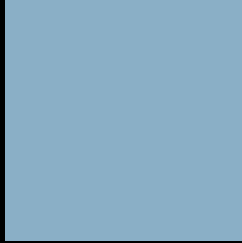
Large Text (above 18pt) WCAG AA × Fail

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 40.1404, 0.2659, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

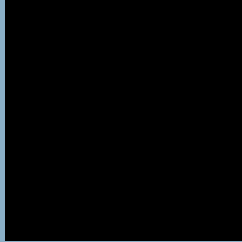
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

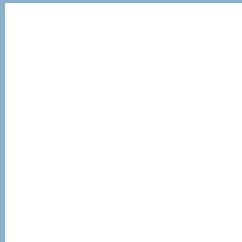
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1404, 0.2659, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 40.1404, 0.2659, 0.2964.



This preview shows how white text looks on a background with the Yxy color 40.1404, 0.2659, 0.2964.

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

40.1404, 0.2659, 0.2964

Protanopia

39.8996, 0.2890, 0.2938

Deuteranopia

39.7383, 0.2893, 0.2827



Tritanopia

40.0026, 0.2699, 0.3087

Trichromacy



Original Color

40.1404, 0.2659, 0.2964

Protanomaly

40.0345, 0.2803, 0.2958

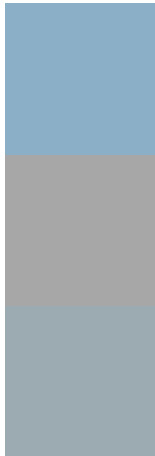
Deuteranomaly

39.8704, 0.2804, 0.2882

Tritanomaly

40.2193, 0.2686, 0.3046

Monochromacy



Original Color

40.1404, 0.2659, 0.2964

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0317, 0.2939, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1404, 0.2659, 0.2964 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(138, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(138, 175, 198)  
}
```

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(138, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 175, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.1404, 0.2659, 0.2964 is called "border". The border property can be set on classes, ids or directly on the HTML element.

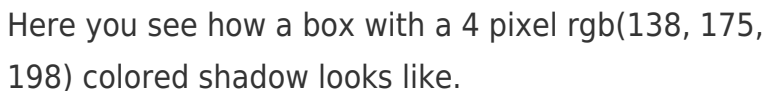
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 175, 198) }
```

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

```
.border{ border-color:rgb(138, 175, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 175, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 175, 198); box-shadow:4px 4px 4px 4px rgb(138, 175, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1404, 0.2659, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 175, 198) }
```

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

```
.background{ background-color: rgb(138,  
175, 198) }
```

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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