

Converting Colors

$Y_{xy}(40.5515, 0.2675, 0.2757)$

Have a look what the booklet for
Yxy(40.5515, 0.2675, 0.2757)
contains.

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Color

Yxy(40.6013, 0.2676, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	99ABD3
RGB	153, 171, 211
RGB Percent	60%, 67%, 83%
CMY	0.4001, 0.3294, 0.1726
CMYK	0.27, 0.19, 0.00, 0.17
HSL	221°, 40%, 71%
HSV	221°, 27%, 83%
XYZ	39.4514, 40.6013, 67.3740
YIQ	170.1780, -23.5680, 8.6240

Conversions

Conversions Part 2

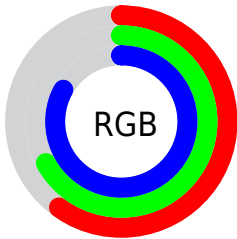
Format	Color
R _Y B	153, 167, 211
Decimal	10070995
CIE Lab	69.90, 2.73, -22.33
CIE LCh	70, 22.499, 276.978
Yxy	40.6013, 0.2676, 0.2754
Android (android.graphics.Color)	4288261075 (0xFF99ABD3)
YUV	170.1780, 20.1252, -15.0651
Hunter-Lab	63.7191, -0.9912, -18.0874

Details

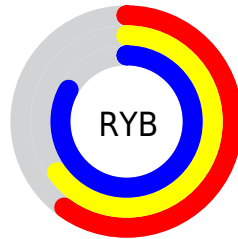
The Yxy color **40.6013, 0.2676, 0.2754** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.2586, 0.3593, 0.3773**, and the grayscale version is **40.1966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0226, 0.2832, 0.2982**, and **18.3607, 0.2553, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **33.5352, 0.2496, 0.2520**, and if you desaturate by 10%, it is **48.6375, 0.2849, 0.2968**.

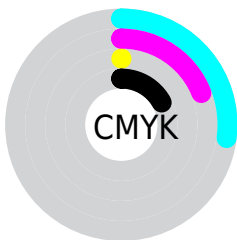
Distribution



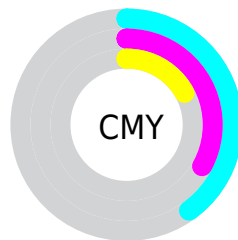
- Red (60%)
- Green (67%)
- Blue (83%)



- Red (60%)
- Yellow (65%)
- Blue (83%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (17%)



- Cyan (40%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6013, 0.2676, 0.2754 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 40.6013, 0.2676, 0.2754 by changing the saturation by 10% instead.

■ 40.6013, 0.2676,
0.2754

■ 40.6013, 0.2676,
0.2754

■ 348.6515, 0.2904,
0.3023

■ 28.0077, 0.2619,
0.2687

■ 76.0783, 0.2759,
0.2852

■ 18.3314, 0.2545,
0.2602

■ 99.7304, 0.2790,
0.2888

■ 11.1882, 0.2447,
0.2489

■ 127.8376, 0.2817,
0.2919

■ 6.1936, 0.2311,
0.2333

■ 160.7840, 0.2839,
0.2946

■ 2.9631, 0.2111,
0.2107

■ 198.9543, 0.2859,
0.2969

■ 1.1125, 0.1794,
0.1755

■ 242.7327, 0.2876,

■ 0.0000, 0.0322,

0.2989

0.0000

292.5036, 0.2891,
0.3007

0.0000, 0.0000,
0.0000

40.6013, 0.2676,
0.2754

40.6013, 0.2676,
0.2754

33.5352, 0.2496,
0.2520

48.6375, 0.2849,
0.2968

27.3959, 0.2314,
0.2268

57.6753, 0.3012,
0.3160

22.1435, 0.2137,
0.2006

67.7506, 0.3164,
0.3331

17.7333, 0.1972,
0.1742

78.8960, 0.3303,
0.3481

14.1160, 0.1828,
0.1488

90.4802, 0.3406,
0.3615

■ 11.2362, 0.1714,
0.1255

■ 97.4823, 0.3388,
0.3721

■ 9.0249, 0.1631,
0.1054

■ 8.5547, 0.1614,
0.1009

Harmonies

Analogous

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



40.6013, 0.2529, 0.2860



40.6013, 0.2676, 0.2754



40.6013, 0.2945, 0.2783

Triad

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



40.6013, 0.2676, 0.2754



40.6013, 0.3762, 0.3433



40.6013, 0.2956, 0.3696

Complementary

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



40.6013, 0.2676, 0.2754



54.2586, 0.3593, 0.3773

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.



40.6013, 0.3284, 0.3863



40.6013, 0.2676, 0.2754



40.6013, 0.3759, 0.3686

Square

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



40.6013, 0.2676, 0.2754



40.6013, 0.3583, 0.3162



40.6013, 0.3580, 0.3852



40.6013, 0.2683, 0.3403

Rectangle

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



40.6013, 0.2676, 0.2754



40.6013, 0.3165, 0.2869



40.6013, 0.3580, 0.3852



40.6013, 0.3063, 0.3770

Sweetspot

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



40.6029, 0.2676, 0.2754



87.6922, 0.3003, 0.3149



57.1827, 0.2839, 0.3529



18.2993, 0.2979, 0.3121



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.



40.6029, 0.2676, 0.2754



55.8041, 0.2571, 0.2619



35.3258, 0.2739, 0.2521



12.0090, 0.2982, 0.3125



5.3254, 0.1621, 0.1035



0.4387, 0.1725, 0.1410

Inverse Universe

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



39.5600, 0.3537, 0.3068



54.3615, 0.3657, 0.3019



61.2065, 0.3454, 0.3992



11.8679, 0.3242, 0.3218



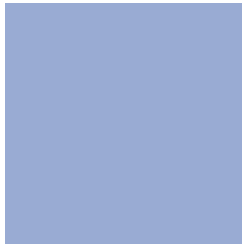
8.6089, 0.5706, 0.2917



0.4956, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 40.6013, 0.2676, 0.2754 looks on a white background.

Color Contrast Check

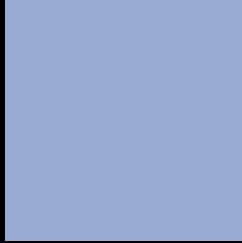
Large Text (above 18pt) WCAG AA × Fail

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 40.6013, 0.2676, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

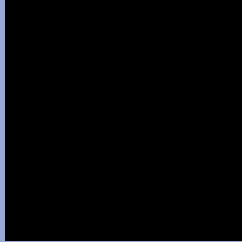
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

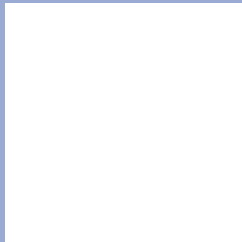
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6013, 0.2676, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 40.6013, 0.2676, 0.2754.



This preview shows how white text looks on a background with the Yxy color 40.6013, 0.2676, 0.2754.

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

40.6013, 0.2676, 0.2754

Protanopia

40.5565, 0.2748, 0.2759

Deuteranopia

40.4979, 0.2765, 0.2703



Tritanopia

40.6300, 0.2795, 0.3092

Trichromacy



Original Color

40.6013, 0.2676, 0.2754

Protanomaly

40.6717, 0.2719, 0.2758

Deuteranomaly

40.3358, 0.2726, 0.2710

Tritanomaly

40.7874, 0.2753, 0.2971

Monochromacy



Original Color

40.6013, 0.2676, 0.2754

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1447, 0.2952, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6013, 0.2676, 0.2754 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(153, 171, 211)` looks like.

```
.text, #text, p{  
    color:rgb(153, 171, 211)  
}
```

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(153, 171, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 171, 211) }
```

Border

The CSS property to change the border of an element to Yxy 40.6013, 0.2676, 0.2754 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(153, 171, 211) }
```

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

```
.border{ border-color:rgb(153, 171, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 171, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 171, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 171, 211);  
box-shadow:4px 4px 4px 4px rgb(153, 171,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6013, 0.2676, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 171, 211) }
```

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

```
.background{ background-color: rgb(153,  
171, 211) }
```

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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