

Converting Colors

$Y_{xy}(41.4757, 0.2551, 0.3003)$

Have a look what the booklet for
Yxy(41.4757, 0.2551, 0.3003)
contains.

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Color

Yxy(41.4757, 0.2551, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	7BB5C9
RGB	123, 181, 201
RGB Percent	48%, 71%, 79%
CMY	0.5177, 0.2902, 0.2118
CMYK	0.39, 0.10, 0.00, 0.21
HSL	195°, 42%, 64%
HSV	195°, 39%, 79%
XYZ	35.2329, 41.4757, 61.4056
YIQ	165.9380, -40.9880, -6.0760

Conversions

Conversions Part 2

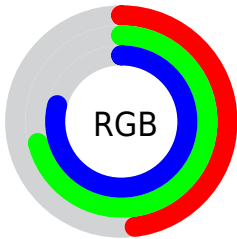
Format	Color
RYB	123, 156, 201
Decimal	8107465
CIELab	70.51, -13.70, -16.09
CIElCh	71, 21.133, 229.575
Yxy	41.4757, 0.2551, 0.3003
Android (android.graphics.Color)	4286297545 (0xFF7BB5C9)
YUV	165.9380, 17.2856, -37.6566
Hunter-Lab	64.4016, -15.0488, -11.4506

Details

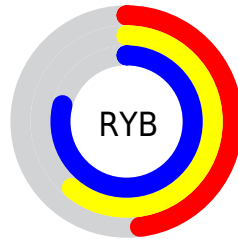
The Yxy color **41.4757, 0.2551, 0.3003** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.4861, 0.3979, 0.3555**, and the grayscale version is **38.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2534, 0.2668, 0.3091**, and **18.8101, 0.2387, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **38.0878, 0.2420, 0.2915**, and if you desaturate by 10%, it is **45.2486, 0.2692, 0.3086**.

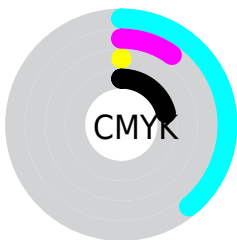
Distribution



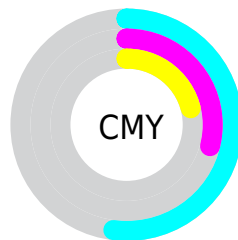
- Red (48%)
- Green (71%)
- Blue (79%)



- Red (48%)
- Yellow (61%)
- Blue (79%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)



- Cyan (52%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4757, 0.2551, 0.3003 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 41.4757, 0.2551, 0.3003 by changing the saturation by 10% instead.


 41.4757, 0.2551,
0.3003


 41.4757, 0.2551,
0.3003


352.3049, 0.2838,
0.3154


 28.6910, 0.2480,
0.2963


 77.4055, 0.2655,
0.3059

 18.8472, 0.2389,
0.2911


 101.3194, 0.2694,
0.3080

 11.5599, 0.2269,
0.2840


 129.7117, 0.2728,
0.3097

 6.4448, 0.2104,
0.2737

162.9670, 0.2756,
0.3112

 3.1174, 0.1865,
0.2578

201.4695, 0.2781,
0.3125

 1.1933, 0.1490,
0.2306

245.6038, 0.2802,

 0.0562, 0.0000,

0.3136

0.0446

295.7541, 0.2821,
0.3145

0.0000, 0.0000,
0.0000

41.4757, 0.2551,
0.3003

41.4757, 0.2551,
0.3003

38.0878, 0.2420,
0.2915

45.2486, 0.2692,
0.3086

35.0604, 0.2303,
0.2823

49.4197, 0.2840,
0.3163

32.3736, 0.2202,
0.2729

54.0071, 0.2992,
0.3233

30.0028, 0.2121,
0.2633

59.0266, 0.3145,
0.3297

27.9193, 0.2058,
0.2538

64.4929, 0.3297,
0.3355

■ 26.0768, 0.2014,
0.2443

■ 70.4199, 0.3445,
0.3406

■ 25.8664, 0.2009,
0.2432

■ 75.1359, 0.3523,
0.3455

■ 77.8342, 0.3512,
0.3507

■ 80.6160, 0.3502,
0.3558

Harmonies

Analogous

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



41.4757, 0.2637, 0.3271



41.4757, 0.2551, 0.3003



41.4757, 0.2609, 0.2831

Triad

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



41.4757, 0.2551, 0.3003



41.4757, 0.3396, 0.3037



41.4757, 0.3444, 0.3838

Complementary

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



41.4757, 0.2551, 0.3003



33.4861, 0.3979, 0.3555

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.



41.4757, 0.3665, 0.3740



41.4757, 0.2551, 0.3003



41.4757, 0.3640, 0.3277

Square

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



41.4757, 0.2551, 0.3003



41.4757, 0.3086, 0.2860



41.4757, 0.3740, 0.3531



41.4757, 0.3144, 0.3776

Rectangle

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



41.4757, 0.2551, 0.3003



41.4757, 0.2723, 0.2786



41.4757, 0.3740, 0.3531



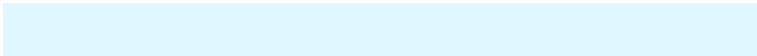
41.4757, 0.3530, 0.3821

Sweetspot

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



41.4773, 0.2551, 0.3003



89.7494, 0.2941, 0.3210



47.9506, 0.2950, 0.4163



18.9854, 0.2921, 0.3201



0.0000, 0.0000, 0.0000



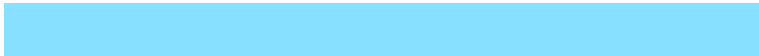
21.4041, 0.3127, 0.3290

Same Dimension

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



41.4773, 0.2551, 0.3003



65.8480, 0.2435, 0.2926



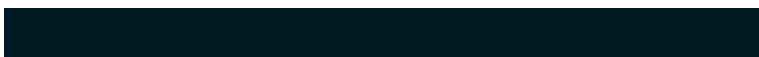
27.9193, 0.2463, 0.2417



11.5896, 0.2984, 0.3229



16.4177, 0.2013, 0.2446



0.8890, 0.2067, 0.2642

Inverse Universe

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



29.9166, 0.3382, 0.2561



44.0271, 0.3459, 0.2402



47.0969, 0.3789, 0.4030



10.7684, 0.3176, 0.3120



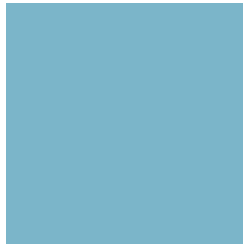
9.1974, 0.3977, 0.1964



0.4468, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 41.4757, 0.2551, 0.3003 looks on a white background.

Color Contrast Check

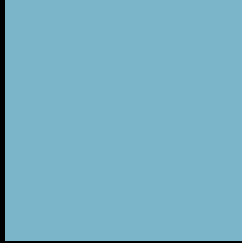
Large Text (above 18pt) WCAG AA × Fail

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 41.4757, 0.2551, 0.3003 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 41.4757, 0.2551, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 41.4757, 0.2551, 0.3003.



This preview shows how white text looks on a background with the Yxy color 41.4757, 0.2551, 0.3003.

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

41.4757, 0.2551, 0.3003

Protanopia

40.9693, 0.2916, 0.2968

Deuteranopia

41.2491, 0.2881, 0.2820



Tritanopia

41.5790, 0.2577, 0.3086

Trichromacy



Original Color

41.4757, 0.2551, 0.3003

Protanomaly

40.9787, 0.2768, 0.2972

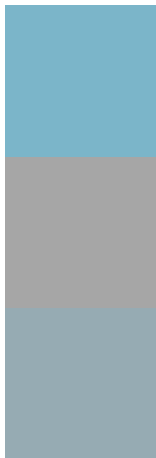
Deuteranomaly

41.1675, 0.2748, 0.2883

Tritanomaly

41.6707, 0.2565, 0.3059

Monochromacy



Original Color

41.4757, 0.2551, 0.3003

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.8645, 0.2881, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4757, 0.2551, 0.3003 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(123, 181, 201)` looks like.

```
.text, #text, p{  
    color:rgb(123, 181, 201)  
}
```

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(123, 181, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 181, 201) }
```

Border

The CSS property to change the border of an element to Yxy 41.4757, 0.2551, 0.3003 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(123, 181, 201) }
```

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

```
.border{ border-color:rgb(123, 181, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 181, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 181, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 181, 201);  
box-shadow:4px 4px 4px 4px rgb(123, 181,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4757, 0.2551, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 181, 201) }
```

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

```
.background{ background-color: rgb(123,  
181, 201) }
```

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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