

Converting Colors

$Y_{xy}(40.7835, 0.2702, 0.3062)$

Have a look what the booklet for
Yxy(40.7835, 0.2702, 0.3062)
contains.

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Color

Yxy(40.7835, 0.2702, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	8BB1C1
RGB	139, 177, 193
RGB Percent	55%, 69%, 76%
CMY	0.4551, 0.3058, 0.2432
CMYK	0.28, 0.08, 0.00, 0.24
HSL	198°, 30%, 65%
HSV	198°, 28%, 76%
XYZ	35.9886, 40.7835, 56.4203
YIQ	167.4620, -27.7840, -3.0800

Conversions

Conversions Part 2

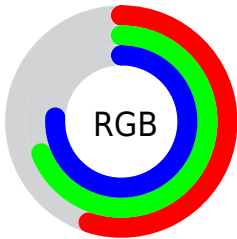
Format	Color
R_{YB}	139, 161, 193
Decimal	9155009
CIE _{Lab}	70.02, -9.07, -12.32
CIE _{LCh}	70, 15.300, 233.653
Yxy	40.7835, 0.2702, 0.3062
Android (android.graphics.Color)	4287345089 (0xFF8BB1C1)
YUV	167.4620, 12.5902, -24.9612
Hunter-Lab	63.8620, -11.1671, -7.6777

Details

The Yxy color $40.7835, 0.2702, 0.3062$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $36.6189, 0.3673, 0.3506$, and the grayscale version is $38.8249, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.5867, 0.2785, 0.3115$, and $18.3056, 0.2580, 0.2990$ is the 20% darker color. If you saturate the color by 10%, you get $37.0611, 0.2557, 0.2967$, and if you desaturate by 10%, it is $44.8966, 0.2852, 0.3150$.

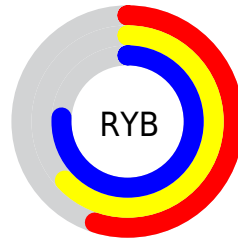
Distribution



Red (55%)

Green (69%)

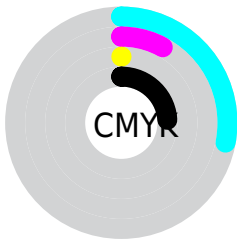
Blue (76%)



Red (55%)

Yellow (63%)

Blue (76%)

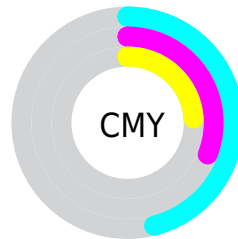


Cyan (28%)

Magenta (8%)

Yellow (0%)

Black (24%)



Cyan (46%)

Magenta (31%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7835, 0.2702, 0.3062 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 40.7835, 0.2702, 0.3062 by changing the saturation by 10% instead.

■ 40.7835, 0.2702,
0.3062

■ 40.7835, 0.2702,
0.3062

■ 349.4149, 0.2916,
0.3181

■ 28.1500, 0.2648,
0.3031

■ 76.3551, 0.2780,
0.3106

■ 18.4387, 0.2579,
0.2990

■ 100.0620, 0.2809,
0.3123

■ 11.2654, 0.2486,
0.2934

■ 128.2288, 0.2834,
0.3136

■ 6.2457, 0.2357,
0.2853

■ 161.2398, 0.2855,
0.3148

■ 2.9950, 0.2164,
0.2727

■ 199.4796, 0.2874,
0.3158

■ 1.1291, 0.1848,
0.2504

■ 243.3324, 0.2890,

■ 0.0027, 0.0000,

0.3167

0.0031

293.1828, 0.2904,
0.3174

0.0000, 0.0000,
0.0000

40.7835, 0.2702,
0.3062

40.7835, 0.2702,
0.3062

37.0611, 0.2557,
0.2967

44.8966, 0.2852,
0.3150

33.7080, 0.2421,
0.2865

49.4110, 0.3005,
0.3231

30.7078, 0.2298,
0.2759

54.3427, 0.3158,
0.3304

28.0407, 0.2190,
0.2649

59.7054, 0.3307,
0.3370

25.6844, 0.2101,
0.2537

65.5120, 0.3453,
0.3428

■ 23.6128, 0.2031,
0.2426

■ 71.7750, 0.3593,
0.3479

■ 21.7872, 0.1980,
0.2316

■ 74.7122, 0.3582,
0.3537

■ 21.4389, 0.1971,
0.2294

■ 77.7040, 0.3568,
0.3593

■ 80.7984, 0.3555,
0.3649

Harmonies

Analogous

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



40.7835, 0.2752, 0.3251



40.7835, 0.2702, 0.3062



40.7835, 0.2760, 0.2944

Triad

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



40.7835, 0.2702, 0.3062



40.7835, 0.3352, 0.3126



40.7835, 0.3333, 0.3687

Complementary

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



40.7835, 0.2702, 0.3062



36.6189, 0.3673, 0.3506

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.



40.7835, 0.3503, 0.3636



40.7835, 0.2702, 0.3062



40.7835, 0.3516, 0.3310

Square

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



40.7835, 0.2702, 0.3062



40.7835, 0.3130, 0.2986



40.7835, 0.3572, 0.3495



40.7835, 0.3112, 0.3623

Rectangle

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



40.7835, 0.2702, 0.3062



40.7835, 0.2854, 0.2917



40.7835, 0.3572, 0.3495



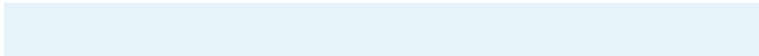
40.7835, 0.3398, 0.3682

Sweetspot

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



40.7851, 0.2702, 0.3062



88.3986, 0.3003, 0.3230



45.9624, 0.2983, 0.3856



18.6911, 0.2980, 0.3218



97.7402, 0.3127, 0.3290



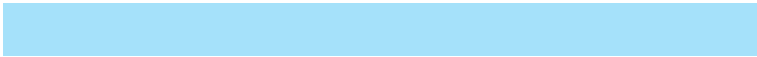
20.4902, 0.3127, 0.3290

Same Dimension

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



40.7851, 0.2702, 0.3062



68.6195, 0.2607, 0.3001



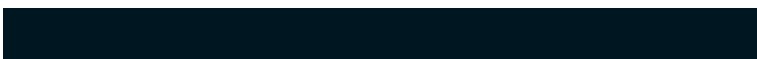
31.3604, 0.2662, 0.2669



10.9092, 0.2984, 0.3220



14.4054, 0.1975, 0.2308



0.7374, 0.2043, 0.2553

Inverse Universe

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



32.9638, 0.3318, 0.2793



52.6162, 0.3375, 0.2674



46.3615, 0.3582, 0.3842



10.1951, 0.3182, 0.3129



8.7365, 0.4118, 0.2042



0.3891, 0.3870, 0.1906

Previews

White Background



This preview shows how the Yxy color 40.7835, 0.2702, 0.3062 looks on a white background.

Color Contrast Check

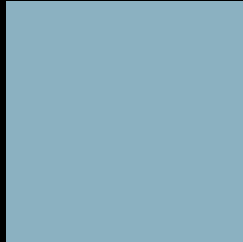
Large Text (above 18pt) WCAG AA × Fail

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 40.7835, 0.2702, 0.3062 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

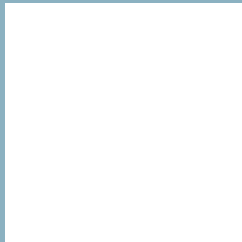
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7835, 0.2702, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 40.7835, 0.2702, 0.3062.



This preview shows how white text looks on a background with the Yxy color 40.7835, 0.2702, 0.3062.

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

40.7835, 0.2702, 0.3062

Protanopia

40.4418, 0.2971, 0.3032

Deuteranopia

40.4427, 0.2976, 0.2908



Tritanopia

40.6948, 0.2716, 0.3089

Trichromacy



Original Color

40.7835, 0.2702, 0.3062

Protanomaly

40.4919, 0.2865, 0.3041

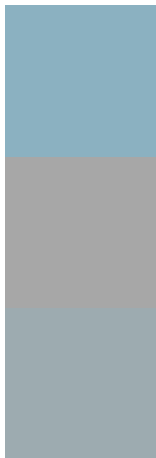
Deuteranomaly

40.4310, 0.2875, 0.2964

Tritanomaly

40.7390, 0.2709, 0.3075

Monochromacy



Original Color

40.7835, 0.2702, 0.3062

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4285, 0.2963, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7835, 0.2702, 0.3062 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(139, 177, 193)` looks like.

```
.text, #text, p{  
    color:rgb(139, 177, 193)  
}
```

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(139, 177, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 177, 193) }
```

Border

The CSS property to change the border of an element to Yxy 40.7835, 0.2702, 0.3062 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(139, 177, 193) }
```

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

```
.border{ border-color:rgb(139, 177, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 177, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 177, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 177, 193);  
box-shadow:4px 4px 4px 4px rgb(139, 177,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7835, 0.2702, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 177, 193) }
```

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

```
.background{ background-color: rgb(139,  
177, 193) }
```

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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