

Converting Colors

$Y_{xy}(40.2018, 0.2896, 0.3456)$

Have a look what the booklet for
Yxy(40.2018, 0.2896, 0.3456)
contains.

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Color

Yxy(40.2063, 0.2895, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	8CB2A7
RGB	140, 178, 167
RGB Percent	55%, 70%, 65%
CMY	0.4507, 0.3020, 0.3451
CMYK	0.21, 0.00, 0.06, 0.30
HSL	163°, 20%, 62%
HSV	163°, 21%, 70%
XYZ	33.7188, 40.2063, 42.5474
YIQ	165.3840, -19.1170, -11.4770

Conversions

Conversions Part 2

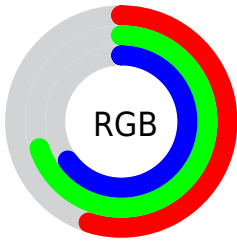
Format	Color
RYB	140, 162, 178
Decimal	9220775
CIELab	69.62, -15.08, 1.40
CIElCh	70, 15.145, 174.711
Yxy	40.2063, 0.2895, 0.3452
Android (android.graphics.Color)	4287410855 (0xFF8CB2A7)
YUV	165.3840, 0.7967, -22.2618
Hunter-Lab	63.4084, -16.0436, 4.6020

Details

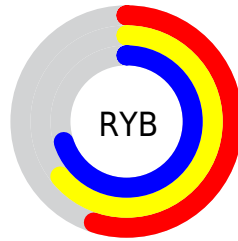
The Yxy color $40.2063, 0.2895, 0.3452$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $30.4733, 0.3428, 0.3134$, and the grayscale version is $37.8301, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5889, 0.2938, 0.3425$, and $18.0289, 0.2824, 0.3500$ is the 20% darker color. If you saturate the color by 10%, you get $38.5971, 0.2796, 0.3539$, and if you desaturate by 10%, it is $42.0765, 0.3001, 0.3372$.

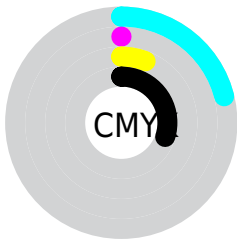
Distribution



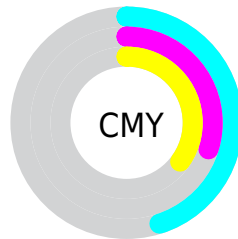
- Red (55%)
- Green (70%)
- Blue (65%)



- Red (55%)
- Yellow (64%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (30%)




- Cyan (45%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2063, 0.2895, 0.3452 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 40.2063, 0.2895, 0.3452 by changing the saturation by 10% instead.


 40.2063, 0.2895,
0.3452


 40.2063, 0.2895,
0.3452


346.9923, 0.3014,
0.3369


 27.6994, 0.2864,
0.3474


 75.4776, 0.2939,
0.3421

 18.0992, 0.2824,
0.3502


 99.0107, 0.2955,
0.3410

 11.0212, 0.2770,
0.3541


 126.9881, 0.2969,
0.3400

 6.0811, 0.2691,
0.3597

159.7942, 0.2981,
0.3392

 2.8945, 0.2569,
0.3686

197.8132, 0.2991,
0.3385

 1.0769, 0.2311,
0.3866

241.4296, 0.3000,

 0.0000, 0.0000,

0.3379

0.0000

291.0279, 0.3007,
0.3373

■ 40.2063, 0.2895,
0.3452

■ 40.2063, 0.2895,
0.3452

■ 38.5971, 0.2796,
0.3539

■ 42.0765, 0.3001,
0.3372

■ 37.2320, 0.2707,
0.3634

■ 44.2141, 0.3112,
0.3299

■ 36.0993, 0.2632,
0.3734

■ 46.6313, 0.3226,
0.3234

■ 35.1850, 0.2572,
0.3838

■ 49.3381, 0.3340,
0.3175

■ 34.4729, 0.2531,
0.3946

■ 52.3440, 0.3452,
0.3124

■ 33.9450, 0.2509,
0.4054

■ 55.6582, 0.3563,
0.3079

■ 33.5796, 0.2506,
0.4163

■ 57.4122, 0.3587,
0.3031

■ 33.3553, 0.2516,
0.4256

■ 57.6621, 0.3542,
0.2979

■ 57.9202, 0.3498,
0.2927

Harmonies

Analogous

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



40.2063, 0.3104, 0.3617



40.2063, 0.2895, 0.3452



40.2063, 0.2751, 0.3243

Triad

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



40.2063, 0.2895, 0.3452



40.2063, 0.2922, 0.2922



40.2063, 0.3569, 0.3500

Complementary

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



40.2063, 0.2895, 0.3452



30.4733, 0.3428, 0.3134

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.



40.2063, 0.3518, 0.3316



40.2063, 0.2895, 0.3452



40.2063, 0.3138, 0.2991

Square

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



40.2063, 0.2895, 0.3452



40.2063, 0.2766, 0.2943



40.2063, 0.3358, 0.3133



40.2063, 0.3496, 0.3637

Rectangle

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



40.2063, 0.2895, 0.3452



40.2063, 0.2708, 0.3114



40.2063, 0.3358, 0.3133



40.2063, 0.3566, 0.3441

Sweetspot

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



40.2080, 0.2895, 0.3452



78.2689, 0.3059, 0.3333



40.3535, 0.3199, 0.3854



17.2855, 0.3052, 0.3338



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.2080, 0.2895, 0.3452



71.3651, 0.2843, 0.3496



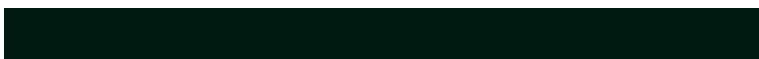
37.6959, 0.2808, 0.3177



9.5888, 0.3023, 0.3357



23.8804, 0.2512, 0.4244



0.7609, 0.2429, 0.3944

Inverse Universe

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



30.4733, 0.3428, 0.3134



50.2436, 0.3523, 0.3094



32.4281, 0.3526, 0.3400



8.5444, 0.3243, 0.3224



6.9563, 0.5764, 0.2949



0.2293, 0.4958, 0.2505

Previews

White Background



This preview shows how the Yxy color 40.2063, 0.2895, 0.3452 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 40.2063, 0.2895, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

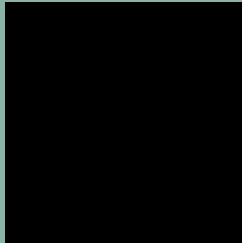
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2063, 0.2895, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 40.2063, 0.2895, 0.3452.



This preview shows how white text looks on a background with the Yxy color 40.2063, 0.2895, 0.3452.

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

40.2063, 0.2895, 0.3452

Protanopia

39.9832, 0.3233, 0.3387

Deuteranopia

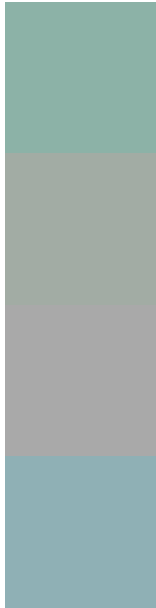
39.8923, 0.3282, 0.3211



Tritanopia

40.2634, 0.2764, 0.3090

Trichromacy



Original Color

40.2063, 0.2895, 0.3452

Protanomaly

39.8668, 0.3104, 0.3404

Deuteranomaly

39.6755, 0.3127, 0.3290

Tritanomaly

40.2265, 0.2814, 0.3217

Monochromacy



Original Color

40.2063, 0.2895, 0.3452

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5705, 0.3035, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2063, 0.2895, 0.3452 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(140, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(140, 178, 167)  
}
```

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(140, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 178, 167) }
```

Border

The CSS property to change the border of an element to Yxy 40.2063, 0.2895, 0.3452 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(140, 178, 167) }
```

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

```
.border{ border-color:rgb(140, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 178, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 178, 167);  
box-shadow:4px 4px 4px 4px rgb(140, 178,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2063, 0.2895, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 178, 167) }
```

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

```
.background{ background-color: rgb(140,  
178, 167) }
```

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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