

Converting Colors

$Y_{xy}(40.2007, 0.2919, 0.3422)$

Have a look what the booklet for
Yxy(40.2007, 0.2919, 0.3422)
contains.

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Color

Yxy(40.2007, 0.2919, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	90B1A8
RGB	144, 177, 168
RGB Percent	56%, 69%, 66%
CMY	0.4352, 0.3059, 0.3413
CMYK	0.19, 0.00, 0.05, 0.31
HSL	164°, 17%, 63%
HSV	164°, 19%, 69%
XYZ	34.2916, 40.2007, 42.9849
YIQ	166.1070, -16.7790, -9.7950

Conversions

Conversions Part 2

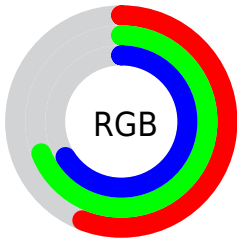
Format	Color
RYB	144, 163, 177
Decimal	9482664
CIELab	69.61, -13.07, 0.89
CIELCh	70, 13.101, 176.105
Yxy	40.2007, 0.2919, 0.3422
Android (android.graphics.Color)	4287672744 (0xFF90B1A8)
YUV	166.1070, 0.9332, -19.3878
Hunter-Lab	63.4040, -14.4166, 4.1870

Details

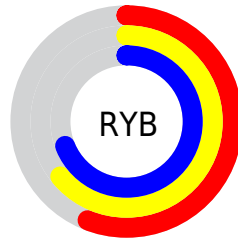
The Yxy color **40.2007, 0.2919, 0.3422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.6004, 0.3388, 0.3162**, and the grayscale version is **38.1905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6113, 0.2958, 0.3401**, and **18.0034, 0.2855, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **38.5541, 0.2816, 0.3503**, and if you desaturate by 10%, it is **42.1073, 0.3029, 0.3348**.

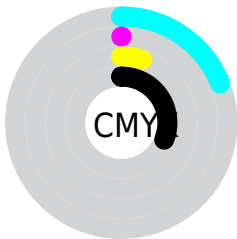
Distribution



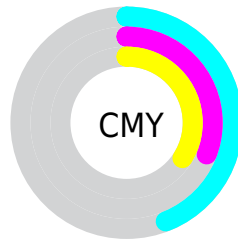
- Red (56%)
- Green (69%)
- Blue (66%)



- Red (56%)
- Yellow (64%)
- Blue (69%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (44%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2007, 0.2919, 0.3422 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 40.2007, 0.2919, 0.3422 by changing the saturation by 10% instead.


 40.2007, 0.2919,
0.3422


 40.2007, 0.2919,
0.3422


346.9688, 0.3026,
0.3354

 27.6951, 0.2891,
0.3440


 75.4690, 0.2958,
0.3397

 18.0959, 0.2856,
0.3463


 99.0005, 0.2973,
0.3388

 11.0189, 0.2807,
0.3494


126.9761, 0.2985,
0.3380

 6.0795, 0.2737,
0.3539

159.7801, 0.2996,
0.3373

 2.8935, 0.2627,
0.3610

197.7970, 0.3005,
0.3367

 1.0764, 0.2411,
0.3749

241.4111, 0.3013,

 0.0000, 0.0000,

0.3362

0.0000

291.0069, 0.3020,
0.3358

■ 40.2007, 0.2919,
0.3422

■ 40.2007, 0.2919,
0.3422

■ 38.5541, 0.2816,
0.3503

■ 42.1073, 0.3029,
0.3348

■ 37.1508, 0.2723,
0.3590

■ 44.2797, 0.3143,
0.3281

■ 35.9797, 0.2642,
0.3682

■ 46.7300, 0.3259,
0.3221

■ 35.0273, 0.2577,
0.3780

■ 49.4679, 0.3375,
0.3168

■ 34.2783, 0.2529,
0.3880

■ 52.5025, 0.3490,
0.3121

■ 33.7153, 0.2500,
0.3982

■ 55.8429, 0.3602,
0.3080

■ 33.3183, 0.2491,
0.4084

■ 56.9642, 0.3600,
0.3033

■ 33.0517, 0.2499,
0.4186

■ 57.1972, 0.3557,
0.2984

■ 33.0186, 0.2500,
0.4199

■ 57.4374, 0.3515,
0.2935

Harmonies

Analogous

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



40.2007, 0.3099, 0.3566



40.2007, 0.2919, 0.3422



40.2007, 0.2797, 0.3243

Triad

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



40.2007, 0.2919, 0.3422



40.2007, 0.2958, 0.2971



40.2007, 0.3508, 0.3480

Complementary

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



40.2007, 0.2919, 0.3422



31.6004, 0.3388, 0.3162

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.



40.2007, 0.3469, 0.3322



40.2007, 0.2919, 0.3422



40.2007, 0.3147, 0.3034

Square

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



40.2007, 0.2919, 0.3422



40.2007, 0.2818, 0.2987



40.2007, 0.3335, 0.3161



40.2007, 0.3442, 0.3595

Rectangle

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



40.2007, 0.2919, 0.3422



40.2007, 0.2762, 0.3131



40.2007, 0.3335, 0.3161



40.2007, 0.3507, 0.3430

Sweetspot

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



40.2024, 0.2919, 0.3422



76.3498, 0.3057, 0.3331



40.2672, 0.3186, 0.3777



16.4950, 0.3050, 0.3335



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.2024, 0.2919, 0.3422



70.8420, 0.2880, 0.3451



37.8006, 0.2847, 0.3185



9.5911, 0.3021, 0.3353



23.9329, 0.2497, 0.4188



0.7622, 0.2418, 0.3906

Inverse Universe

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



31.6004, 0.3388, 0.3162



52.8272, 0.3454, 0.3135



33.5475, 0.3465, 0.3393



8.5422, 0.3245, 0.3228



6.9386, 0.5818, 0.2979



0.2284, 0.5014, 0.2536

Previews

White Background



This preview shows how the Yxy color 40.2007, 0.2919, 0.3422 looks on a white background.

Color Contrast Check

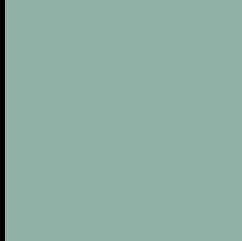
Large Text (above 18pt) WCAG AA × Fail

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 40.2007, 0.2919, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

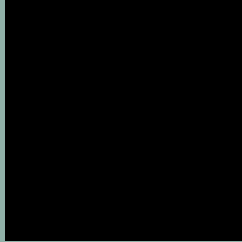
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

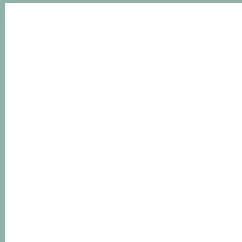
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2007, 0.2919, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 40.2007, 0.2919, 0.3422.



This preview shows how white text looks on a background with the Yxy color 40.2007, 0.2919, 0.3422.

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

40.2007, 0.2919, 0.3422

Protanopia

40.0189, 0.3225, 0.3373

Deuteranopia

39.8055, 0.3264, 0.3197



Tritanopia

40.1988, 0.2801, 0.3091

Trichromacy



Original Color

40.2007, 0.2919, 0.3422

Protanomaly

40.0082, 0.3105, 0.3389

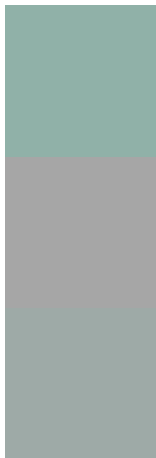
Deuteranomaly

39.8243, 0.3128, 0.3276

Tritanomaly

40.1992, 0.2845, 0.3203

Monochromacy



Original Color

40.2007, 0.2919, 0.3422

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.8086, 0.3045, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2007, 0.2919, 0.3422 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(144, 177, 168)` looks like.

```
.text, #text, p{  
    color:rgb(144, 177, 168)  
}
```

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(144, 177, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 177, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.2007, 0.2919, 0.3422 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(144, 177, 168) }
```

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

```
.border{ border-color:rgb(144, 177, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 177, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 177, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 177, 168);  
box-shadow:4px 4px 4px 4px rgb(144, 177,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2007, 0.2919, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 177, 168) }
```

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

```
.background{ background-color: rgb(144,  
177, 168) }
```

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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