

Converting Colors

$Yxy(40.7579, 0.2951, 0.3867)$

Have a look what the booklet for
Yxy(40.7579, 0.2951, 0.3867)
contains.

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Color

Yxy(40.9455, 0.2957, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	80B892
RGB	128, 184, 146
RGB Percent	50%, 72%, 57%
CMY	0.4978, 0.2785, 0.4274
CMYK	0.30, 0.00, 0.21, 0.28
HSL	139°, 28%, 61%
HSV	139°, 30%, 72%
XYZ	31.2373, 40.9455, 33.4557
YIQ	162.9240, -21.1780, -23.6900

Conversions

Conversions Part 2

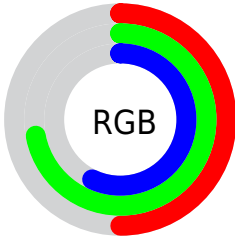
Format	Color
RYB	128, 170, 184
Decimal	8435858
CIELab	70.14, -26.23, 13.55
CIElCh	70, 29.528, 152.675
Yxy	40.9455, 0.2957, 0.3876
Android (android.graphics.Color)	4286625938 (0xFF80B892)
YUV	162.9240, -8.3435, -30.6283
Hunter-Lab	63.9887, -24.8419, 13.7930

Details

The Yxy color $40.9455, 0.2957, 0.3876$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $28.3959, 0.3353, 0.2769$, and the grayscale version is $36.6418, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.4354, 0.2991, 0.3756$, and $18.6366, 0.2904, 0.4087$ is the 20% darker color. If you saturate the color by 10%, you get $39.2789, 0.2908, 0.4110$, and if you desaturate by 10%, it is $42.9167, 0.3011, 0.3662$.

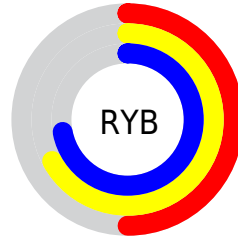
Distribution



Red (50%)

Green (72%)

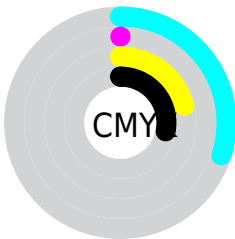
Blue (57%)



Red (50%)

Yellow (67%)

Blue (72%)

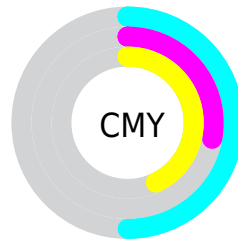


Cyan (30%)

Magenta (0%)

Yellow (21%)

Black (28%)



Cyan (50%)


Magenta (28%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9455, 0.2957, 0.3876 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 40.9455, 0.2957, 0.3876 by changing the saturation by 10% instead.


 40.9455, 0.2957,
0.3876

 40.9455, 0.2957,
0.3876

350.0928, 0.3050,
0.3565

 28.2765, 0.2931,
0.3960


 76.6012, 0.2993,
0.3759

 18.5342, 0.2896,
0.4071


 100.3566, 0.3005,
0.3716

 11.3342, 0.2847,
0.4226


 128.5763, 0.3016,
0.3680

 6.2921, 0.2771,
0.4457

161.6447, 0.3025,
0.3650

 3.0235, 0.2643,
0.4835

199.9461, 0.3032,
0.3625

 1.1440, 0.2311,
0.6202

243.8650, 0.3039,

 0.0152, 0.0000,

0.3602

1.0000

293.7858, 0.3044,
0.3583

0.0000, 0.0000,
0.0000

40.9455, 0.2957,
0.3876

40.9455, 0.2957,
0.3876

39.2789, 0.2908,
0.4110

42.9167, 0.3011,
0.3662

37.8965, 0.2868,
0.4360

45.2018, 0.3067,
0.3468

36.7832, 0.2839,
0.4619


47.8155, 0.3125,
0.3297


35.9205, 0.2825,
0.4878

50.7706, 0.3182,
0.3145

35.2874, 0.2826,
0.5127


54.0789, 0.3237,
0.3012

 34.8592, 0.2845,
0.5354

 57.7517, 0.3289,
0.2896

 34.5947, 0.2873,
0.5544

 61.4475, 0.3325,
0.2793

 62.1889, 0.3228,
0.2676

 62.7582, 0.3160,
0.2595

Harmonies

Analogous

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



40.9455, 0.3385, 0.4062



40.9455, 0.2957, 0.3876



40.9455, 0.2592, 0.3495

Triad

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



40.9455, 0.2957, 0.3876



40.9455, 0.2505, 0.2607



40.9455, 0.3941, 0.3414

Complementary

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



40.9455, 0.2957, 0.3876



28.3959, 0.3353, 0.2769

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.



40.9455, 0.3674, 0.3073



40.9455, 0.2957, 0.3876



40.9455, 0.2830, 0.2624

Square

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



40.9455, 0.2957, 0.3876



40.9455, 0.2346, 0.2759



40.9455, 0.3257, 0.2792



40.9455, 0.3970, 0.3751

Rectangle

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



40.9455, 0.2957, 0.3876



40.9455, 0.2428, 0.3210



40.9455, 0.3257, 0.2792



40.9455, 0.3876, 0.3297

Sweetspot

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



40.9472, 0.2957, 0.3876



82.5079, 0.3075, 0.3446



43.9753, 0.3416, 0.4080



17.6475, 0.3066, 0.3472



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.9472, 0.2957, 0.3876



72.2966, 0.2926, 0.4019



41.9172, 0.2764, 0.3441



10.1064, 0.3074, 0.3449



23.8560, 0.2867, 0.5521



0.8526, 0.2713, 0.4966

Inverse Universe

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



28.3959, 0.3353, 0.2769



46.1423, 0.3413, 0.2661



27.4855, 0.3675, 0.3146



9.1123, 0.3185, 0.3136



8.0556, 0.4210, 0.2093



0.2948, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 40.9455, 0.2957, 0.3876 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 40.9455, 0.2957, 0.3876 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 40.9455, 0.2957, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 40.9455, 0.2957, 0.3876.



This preview shows how white text looks on a background with the Yxy color 40.9455, 0.2957, 0.3876.

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

40.9455, 0.2957, 0.3876

Protanopia

40.4373, 0.3503, 0.3718

Deuteranopia

40.7144, 0.3553, 0.3489



Tritanopia

40.9649, 0.2696, 0.3089

Trichromacy



Original Color

40.9455, 0.2957, 0.3876

Protanomaly

40.2943, 0.3284, 0.3768

Deuteranomaly

40.3329, 0.3314, 0.3615

Tritanomaly

40.8060, 0.2793, 0.3363

Monochromacy



Original Color

40.9455, 0.2957, 0.3876

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0442, 0.3055, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9455, 0.2957, 0.3876 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(128, 184, 146)` looks like.

```
.text, #text, p{  
    color:rgb(128, 184, 146)  
}
```

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(128, 184, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 184, 146) }
```

Border

The CSS property to change the border of an element to Yxy 40.9455, 0.2957, 0.3876 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(128, 184, 146) }
```

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

```
.border{ border-color:rgb(128, 184, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 184, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 184, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 184, 146);  
box-shadow:4px 4px 4px 4px rgb(128, 184,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9455, 0.2957, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 184, 146) }
```

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

```
.background{ background-color: rgb(128,  
184, 146) }
```

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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