

Converting Colors

$Y_{xy}(39.8758, 0.3262, 0.4775)$

Have a look what the booklet for
Yxy(39.8758, 0.3262, 0.4775)
contains.

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Color

Yxy(39.8836, 0.3262, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	78BA5C
RGB	120, 186, 92
RGB Percent	47%, 73%, 36%
CMY	0.5292, 0.2706, 0.6393
CMYK	0.35, 0.00, 0.51, 0.27
HSL	102°, 41%, 55%
HSV	102°, 51%, 73%
XYZ	27.2404, 39.8836, 16.3843
YIQ	155.5500, -9.1620, -43.2260

Conversions

Conversions Part 2

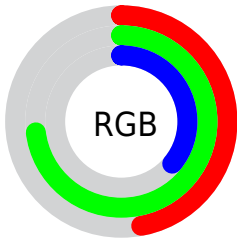
Format	Color
RYB	92, 186, 158
Decimal	7912028
CIELab	69.39, -38.39, 40.84
CIELCh	69, 56.050, 133.228
Yxy	39.8836, 0.3262, 0.4776
Android (android.graphics.Color)	4286102108 (0xFF78BA5C)
YUV	155.5500, -31.3301, -31.1773
Hunter-Lab	63.1535, -33.5249, 28.8254

Details

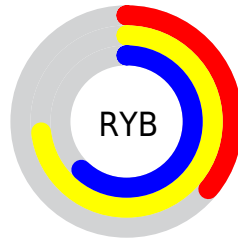
The Yxy color **39.8836, 0.3262, 0.4776** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.4602, 0.2853, 0.1967**, and the grayscale version is **33.1843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2288, 0.3260, 0.4478**, and **17.8279, 0.3230, 0.5275** is the 20% darker color. If you saturate the color by 10%, you get **38.7283, 0.3264, 0.5089**, and if you desaturate by 10%, it is **41.2493, 0.3248, 0.4453**.

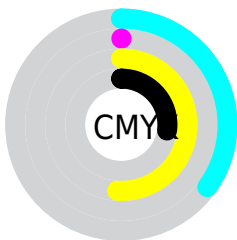
Distribution



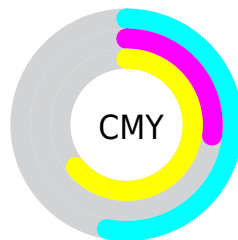
- Red (47%)
- Green (73%)
- Blue (36%)



- Red (36%)
- Yellow (73%)
- Blue (62%)



- Cyan (35%)
- Magenta (0%)
- Yellow (51%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8836, 0.3262, 0.4776 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 39.8836, 0.3262, 0.4776 by changing the saturation by 10% instead.


 39.8836, 0.3262,
0.4776


 39.8836, 0.3262,
0.4776


345.6327, 0.3229,
0.3972

 27.4478, 0.3254,
0.4992


 74.9862, 0.3261,
0.4471

 17.9098, 0.3233,
0.5277


 98.4219, 0.3257,
0.4360

 10.8853, 0.3181,
0.5663


 126.2929, 0.3252,
0.4268

 5.9897, 0.3069,
0.6218

 158.9837, 0.3247,
0.4190

 2.8388, 0.2848,
0.7152

196.8787, 0.3242,
0.4124

 1.0482, 0.0460,
0.9540

240.3623, 0.3238,

 0.0000, 0.0000,

0.4066

0.0000

289.8188, 0.3233,
0.4016

■ 39.8836, 0.3262,
0.4776

■ 39.8836, 0.3262,
0.4776

■ 38.7283, 0.3264,
0.5089

■ 41.2493, 0.3248,
0.4453

■ 37.7673, 0.3251,
0.5373

■ 42.8305, 0.3226,
0.4135

■ 36.9900, 0.3224,
0.5608

■ 44.6384, 0.3197,
0.3833

■ 36.3825, 0.3184,
0.5780

■ 46.6817, 0.3164,
0.3555

■ 35.9433, 0.3140,
0.5889

■ 48.9689, 0.3129,
0.3303

■ 51.5079, 0.3094,
0.3077

■ 54.3063, 0.3060,
0.2878

■ 57.3713, 0.3026,
0.2701

■ 60.4243, 0.3025,
0.2586

Harmonies

Analogous

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



39.8836, 0.4019, 0.4704



39.8836, 0.3262, 0.4776



39.8836, 0.2510, 0.4237

Triad

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



39.8836, 0.3262, 0.4776



39.8836, 0.1807, 0.2175



39.8836, 0.4404, 0.3061

Complementary

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



39.8836, 0.3262, 0.4776



18.4602, 0.2853, 0.1967

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.



39.8836, 0.3649, 0.2552



39.8836, 0.3262, 0.4776



39.8836, 0.2169, 0.2059

Square

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



39.8836, 0.3262, 0.4776



39.8836, 0.1735, 0.2597



39.8836, 0.2813, 0.2198



39.8836, 0.4751, 0.3645

Rectangle

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



39.8836, 0.3262, 0.4776



39.8836, 0.2115, 0.3650



39.8836, 0.2813, 0.2198



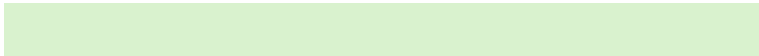
39.8836, 0.4184, 0.2879

Sweetspot

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



39.8853, 0.3262, 0.4776



82.8197, 0.3180, 0.3683



35.5948, 0.4037, 0.4180



18.0670, 0.3186, 0.3742



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.8853, 0.3262, 0.4776



69.9228, 0.3263, 0.5133



38.5343, 0.2939, 0.4562



10.1865, 0.3160, 0.3523



24.2169, 0.3148, 0.5883



0.8869, 0.3359, 0.5715

Inverse Universe

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



18.4602, 0.2853, 0.1967



26.5423, 0.2766, 0.1690



20.8881, 0.3414, 0.2295



9.0246, 0.3091, 0.3061



5.6443, 0.2476, 0.1137



0.2295, 0.2672, 0.1246

Previews

White Background



This preview shows how the Yxy color 39.8836, 0.3262, 0.4776 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 39.8836, 0.3262, 0.4776 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 39.8836, 0.3262, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 39.8836, 0.3262, 0.4776.



This preview shows how white text looks on a background with the Yxy color 39.8836, 0.3262, 0.4776.

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

39.8836, 0.3262, 0.4776

Protanopia

39.4869, 0.4007, 0.4381

Deuteranopia

39.3507, 0.4158, 0.4077



Tritanopia

39.5683, 0.2704, 0.3087

Trichromacy



Original Color

39.8836, 0.3262, 0.4776

Protanomaly

39.0459, 0.3715, 0.4534

Deuteranomaly

38.5926, 0.3803, 0.4324

Tritanomaly

39.3191, 0.2912, 0.3675

Monochromacy



Original Color

39.8836, 0.3262, 0.4776

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.1705, 0.3194, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8836, 0.3262, 0.4776 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(120, 186, 92)` looks like.

```
.text, #text, p{  
    color:rgb(120, 186, 92)  
}
```

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(120, 186, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 186, 92) }
```

Border

The CSS property to change the border of an element to Yxy 39.8836, 0.3262, 0.4776 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(120, 186, 92) }
```

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

```
.border{ border-color:rgb(120, 186, 92) }
```

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

Here you see how a box with a 4 pixel rgb(120, 186, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 186, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 186, 92);  
box-shadow:4px 4px 4px 4px rgb(120, 186,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8836, 0.3262, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 186, 92) }
```

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

```
.background{ background-color: rgb(120,  
186, 92) }
```

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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