

Converting Colors

Yxy(39.7048, 0.2959, 0.4968)

Have a look what the booklet for
Yxy(39.7048, 0.2959, 0.4968)
contains.

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Color

Yxy(39.6121, 0.2962, 0.4966)

Conversions

Conversions Part 1

Format	Color
Hex	4DBF5C
RGB	77, 191, 92
RGB Percent	30%, 75%, 36%
CMY	0.6978, 0.2510, 0.6392
CMYK	0.60, 0.00, 0.52, 0.25
HSL	128°, 47%, 53%
HSV	128°, 60%, 75%
XYZ	23.6269, 39.6121, 16.5276
YIQ	145.6280, -36.1650, -54.9570

Conversions

Conversions Part 2

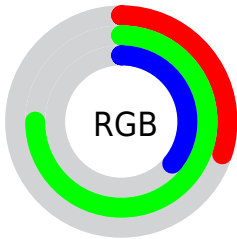
Format	Color
RYB	77, 178, 191
Decimal	5095260
CIELab	69.19, -52.83, 40.20
CIElCh	69, 66.379, 142.732
Yxy	39.6121, 0.2962, 0.4966
Android (android.graphics.Color)	4283285340 (0xFF4DBF5C)
YUV	145.6280, -26.4386, -60.1868
Hunter-Lab	62.9381, -43.1332, 28.4871

Details

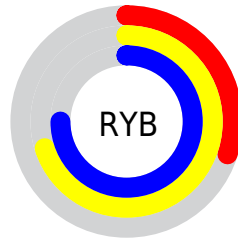
The Yxy color **39.6121, 0.2962, 0.4966** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.5284, 0.3378, 0.2062**, and the grayscale version is **28.7128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3827, 0.3022, 0.4611**, and **17.7755, 0.2870, 0.5532** is the 20% darker color. If you saturate the color by 10%, you get **38.6727, 0.2951, 0.5270**, and if you desaturate by 10%, it is **40.8516, 0.2981, 0.4646**.

Distribution



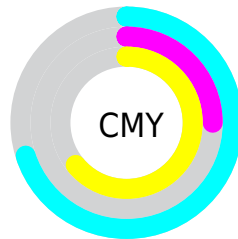
- Red (30%)
- Green (75%)
- Blue (36%)



- Red (30%)
- Yellow (70%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6121, 0.2962, 0.4966 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 39.6121, 0.2962, 0.4966 by changing the saturation by 10% instead.

 39.6121, 0.2962,
0.4966


 39.6121, 0.2962,
0.4966


344.4859, 0.3091,
0.4042


 27.2362, 0.2911,
0.5222


 74.5725, 0.3022,
0.4611

 17.7507, 0.2831,
0.5563


 97.9258, 0.3040,
0.4483

 10.7712, 0.2700,
0.6034


 125.7070, 0.3054,
0.4377

 5.9132, 0.2473,
0.6721

 158.3005, 0.3065,
0.4289

 2.7924, 0.2072,
0.7928

196.0908, 0.3074,
0.4213

 1.0243, 0.0000,
1.0000

239.4622, 0.3080,

 0.0000, 0.0000,

0.4148

0.0000

288.7991, 0.3086,
0.4092

■ 39.6121, 0.2962,
0.4966

■ 39.6121, 0.2962,
0.4966

■ 38.6727, 0.2951,
0.5270

■ 40.8516, 0.2981,
0.4646

■ 38.0032, 0.2950,
0.5537

■ 42.4087, 0.3006,
0.4329

■ 37.5757, 0.2958,
0.5749

■ 44.3051, 0.3035,
0.4028

■ 37.3379, 0.2972,
0.5896

■ 46.5594, 0.3066,
0.3751

■ 37.3311, 0.2972,
0.5900

■ 49.1888, 0.3098,
0.3503

■ 52.2092, 0.3128,
0.3283

■ 55.6358, 0.3157,
0.3091

■ 59.4830, 0.3185,
0.2925

■ 63.7643, 0.3210,
0.2781

Harmonies

Analogous

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



39.6121, 0.3861, 0.5048



39.6121, 0.2962, 0.4966



39.6121, 0.2155, 0.4102

Triad

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



39.6121, 0.2962, 0.4966



39.6121, 0.1707, 0.1925



39.6121, 0.4836, 0.3203

Complementary

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



39.6121, 0.2962, 0.4966



19.5284, 0.3378, 0.2062

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.



39.6121, 0.4054, 0.2601



39.6121, 0.2962, 0.4966



39.6121, 0.2212, 0.1901

Square

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



39.6121, 0.2962, 0.4966



39.6121, 0.1523, 0.2269



39.6121, 0.3045, 0.2140



39.6121, 0.5023, 0.3870

Rectangle

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



39.6121, 0.2962, 0.4966



39.6121, 0.1783, 0.3357



39.6121, 0.3045, 0.2140



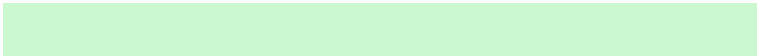
39.6121, 0.4629, 0.2992

Sweetspot

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



39.6137, 0.2962, 0.4966



83.9951, 0.3071, 0.3715



47.2274, 0.3841, 0.4741



18.1623, 0.3061, 0.3793



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.



39.6137, 0.2962, 0.4966



68.7942, 0.2950, 0.5368



40.9575, 0.2642, 0.4009



10.6695, 0.3099, 0.3495



24.5411, 0.2968, 0.5885



0.9680, 0.2874, 0.5546

Inverse Universe

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



19.5284, 0.3378, 0.2062



29.5066, 0.3446, 0.1880



17.7660, 0.4222, 0.2720



9.6742, 0.3157, 0.3093



9.0955, 0.3566, 0.1738



0.3624, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 39.6121, 0.2962, 0.4966 looks on a white background.

Color Contrast Check

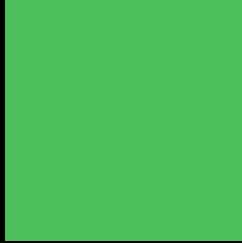
Large Text (above 18pt) WCAG AA × Fail

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 39.6121, 0.2962, 0.4966 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 39.6121, 0.2962, 0.4966

Background



This preview shows how black text looks on a background with the Yxy color 39.6121, 0.2962, 0.4966.



This preview shows how white text looks on a background with the Yxy color 39.6121, 0.2962, 0.4966.

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

39.6121, 0.2962, 0.4966

Protanopia

38.9596, 0.4019, 0.4397

Deuteranopia

38.7582, 0.4127, 0.4049



Tritanopia

39.4211, 0.2472, 0.3078

Trichromacy



Original Color

39.6121, 0.2962, 0.4966



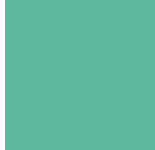
Protanomaly

37.8498, 0.3560, 0.4631



Deuteranomaly

37.1570, 0.3618, 0.4390



Tritanomaly

39.0950, 0.2654, 0.3726

Monochromacy



Original Color

39.6121, 0.2962, 0.4966



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.4120, 0.3053, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6121, 0.2962, 0.4966 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(77, 191, 92)` looks like.

```
.text, #text, p{  
    color:rgb(77, 191, 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(77, 191, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 191, 92) }
```

Border

The CSS property to change the border of an element to Yxy 39.6121, 0.2962, 0.4966 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(77, 191, 92) }
```

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

```
.border{ border-color:rgb(77, 191, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 191, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 191, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 191, 92);  
box-shadow:4px 4px 4px 4px rgb(77, 191,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6121, 0.2962, 0.4966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 191, 92) }
```

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

```
.background{ background-color: rgb(77, 191,  
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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