

Converting Colors

$Yxy(39.2585, 0.2971, 0.4467)$

Have a look what the booklet for
Yxy(39.2585, 0.2971, 0.4467)
contains.

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Color

Yxy(39.1223, 0.2972, 0.4469)

Conversions

Conversions Part 1

Format	Color
Hex	65BA73
RGB	101, 186, 115
RGB Percent	40%, 73%, 45%
CMY	0.6041, 0.2706, 0.5490
CMYK	0.46, 0.00, 0.38, 0.27
HSL	130°, 38%, 56%
HSV	130°, 46%, 73%
XYZ	26.0173, 39.1223, 22.4019
YIQ	152.4910, -27.8690, -40.1010

Conversions

Conversions Part 2

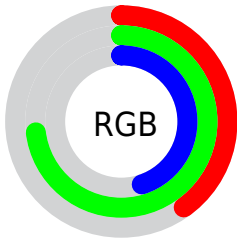
Format	Color
RYB	101, 174, 186
Decimal	6666867
CIELab	68.84, -41.04, 28.21
CIELCh	69, 49.799, 145.501
Yxy	39.1223, 0.2972, 0.4469
Android (android.graphics.Color)	4284856947 (0xFF65BA73)
YUV	152.4910, -18.4831, -45.1576
Hunter-Lab	62.5478, -35.2100, 22.5484

Details

The Yxy color **39.1223, 0.2972, 0.4469** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.7173, 0.3343, 0.2348**, and the grayscale version is **31.7105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9963, 0.3012, 0.4219**, and **17.4538, 0.2886, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **37.8415, 0.2948, 0.4779**, and if you desaturate by 10%, it is **40.7095, 0.3002, 0.4169**.

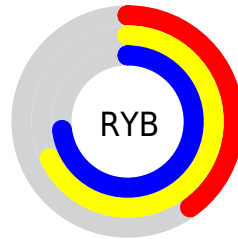
Distribution



Red (40%)

Green (73%)

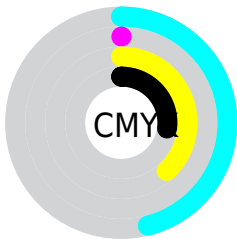
Blue (45%)



Red (40%)

Yellow (68%)

Blue (73%)

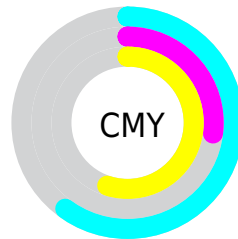


Cyan (46%)

Magenta (0%)

Yellow (38%)

Black (27%)



Cyan (60%)


Magenta (27%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1223, 0.2972, 0.4469 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 39.1223, 0.2972, 0.4469 by changing the saturation by 10% instead.

 39.1223, 0.2972,
0.4469


 39.1223, 0.2972,
0.4469


342.4102, 0.3073,
0.3825

 26.8549, 0.2937,
0.4648


 73.8251, 0.3015,
0.4221

 17.4643, 0.2886,
0.4889


 97.0293, 0.3030,
0.4133

 10.5661, 0.2804,
0.5229


 124.6479, 0.3041,
0.4059

 5.7759, 0.2664,
0.5736

 157.0652, 0.3050,
0.3997

 2.7093, 0.2473,
0.6779

194.6657, 0.3057,
0.3945

 0.9819, 0.0000,
1.0000


237.8338, 0.3064,


 0.0000, 0.0000,


0.3899


0.0000


286.9538, 0.3069,
0.3860


 39.1223, 0.2972,
0.4469


 39.1223, 0.2972,
0.4469


 37.8415, 0.2948,
0.4779


 40.7095, 0.3002,
0.4169

 36.8427, 0.2933,
0.5084


 42.6160, 0.3036,
0.3889


 36.1055, 0.2929,
0.5367


 44.8601, 0.3071,
0.3635


 35.6045, 0.2936,
0.5608

 47.4570, 0.3107,
0.3408


 35.3086, 0.2953,
0.5793

 50.4210, 0.3142,
0.3208

 35.2189, 0.2960,
0.5854

 53.7659, 0.3175,
0.3033

 57.5044, 0.3207,
0.2882

 61.6488, 0.3236,
0.2751

 63.5864, 0.3161,
0.2616

Harmonies

Analogous

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



39.1223, 0.3680, 0.4641



39.1223, 0.2972, 0.4469



39.1223, 0.2344, 0.3821

Triad

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



39.1223, 0.2972, 0.4469



39.1223, 0.2029, 0.2204



39.1223, 0.4452, 0.3308

Complementary

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



39.1223, 0.2972, 0.4469



22.7173, 0.3343, 0.2348

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.



39.1223, 0.3900, 0.2800



39.1223, 0.2972, 0.4469



39.1223, 0.2473, 0.2193

Square

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



39.1223, 0.2972, 0.4469



39.1223, 0.1852, 0.2479



39.1223, 0.3147, 0.2406



39.1223, 0.4580, 0.3856

Rectangle

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



39.1223, 0.2972, 0.4469



39.1223, 0.2052, 0.3293



39.1223, 0.3147, 0.2406



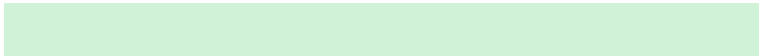
39.1223, 0.4308, 0.3131

Sweetspot

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



39.1239, 0.2972, 0.4469



81.9635, 0.3077, 0.3599



44.9732, 0.3676, 0.4444



17.8390, 0.3069, 0.3651



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.



39.1239, 0.2972, 0.4469



68.5444, 0.2948, 0.4785



40.2944, 0.2704, 0.3764



10.0837, 0.3094, 0.3486



23.6994, 0.2955, 0.5838



0.8430, 0.2837, 0.5413

Inverse Universe

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



22.7173, 0.3343, 0.2348



35.0417, 0.3405, 0.2164



21.3715, 0.3899, 0.2875



9.1366, 0.3162, 0.3101



8.6310, 0.3670, 0.1795



0.3111, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 39.1223, 0.2972, 0.4469 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 39.1223, 0.2972, 0.4469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

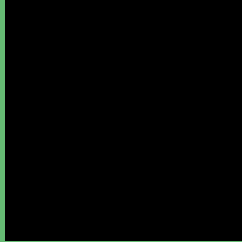
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1223, 0.2972, 0.4469

Background



This preview shows how black text looks on a background with the Yxy color 39.1223, 0.2972, 0.4469.



This preview shows how white text looks on a background with the Yxy color 39.1223, 0.2972, 0.4469.

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

39.1223, 0.2972, 0.4469

Protanopia

38.6441, 0.3809, 0.4116

Deuteranopia

38.5279, 0.3881, 0.3804



Tritanopia

39.0574, 0.2571, 0.3081

Trichromacy



Original Color

39.1223, 0.2972, 0.4469



Protanomaly

38.1702, 0.3464, 0.4253



Deuteranomaly

37.4944, 0.3504, 0.4028



Tritanomaly

38.7316, 0.2719, 0.3556

Monochromacy



Original Color

39.1223, 0.2972, 0.4469



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.4015, 0.3053, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1223, 0.2972, 0.4469 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(101, 186, 115)` looks like.

```
.text, #text, p{  
    color:rgb(101, 186, 115)  
}
```

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(101, 186, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 186, 115) }
```

Border

The CSS property to change the border of an element to Yxy 39.1223, 0.2972, 0.4469 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(101, 186, 115) }
```

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

```
.border{ border-color:rgb(101, 186, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 186, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 186, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 186, 115);  
box-shadow:4px 4px 4px 4px rgb(101, 186,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1223, 0.2972, 0.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 186, 115) }
```

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

```
.background{ background-color: rgb(101,  
186, 115) }
```

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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