

Converting Colors

$Yxy(39.7967, 0.2873, 0.4218)$

Have a look what the booklet for
Yxy(39.7967, 0.2873, 0.4218)
contains.

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Color

Yxy(39.9191, 0.2875, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	65BB82
RGB	101, 187, 130
RGB Percent	40%, 73%, 51%
CMY	0.6041, 0.2666, 0.4901
CMYK	0.46, 0.00, 0.30, 0.27
HSL	140°, 39%, 56%
HSV	140°, 46%, 73%
XYZ	27.1639, 39.9191, 27.4001
YIQ	154.7880, -32.9590, -35.9590

Conversions

Conversions Part 2

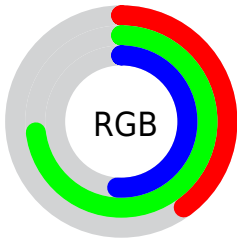
Format	Color
RYB	101, 165, 187
Decimal	6667138
CIELab	69.41, -38.81, 20.99
CIELCh	69, 44.122, 151.588
Yxy	39.9191, 0.2875, 0.4225
Android (android.graphics.Color)	4284857218 (0xFF65BB82)
YUV	154.7880, -12.2205, -47.1721
Hunter-Lab	63.1816, -33.8246, 18.5147

Details

The Yxy color **39.9191, 0.2875, 0.4225** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.3315, 0.3533, 0.2520**, and the grayscale version is **32.7427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1882, 0.2932, 0.4037**, and **17.9121, 0.2778, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **38.6490, 0.2839, 0.4475**, and if you desaturate by 10%, it is **41.4781, 0.2921, 0.3988**.

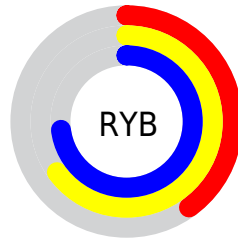
Distribution



Red (40%)

Green (73%)

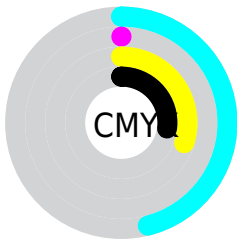
Blue (51%)



Red (40%)

Yellow (65%)

Blue (73%)

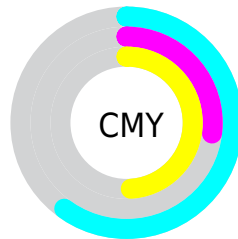


Cyan (46%)

Magenta (0%)

Yellow (30%)

Black (27%)



Cyan (60%)


Magenta (27%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9191, 0.2875, 0.4225 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 39.9191, 0.2875, 0.4225 by changing the saturation by 10% instead.


 39.9191, 0.2875,
0.4225


 39.9191, 0.2875,
0.4225


345.7825, 0.3018,
0.3719


 27.4755, 0.2833,
0.4365


 75.0403, 0.2931,
0.4031

 17.9306, 0.2775,
0.4553


 98.4867, 0.2951,
0.3962

 10.9002, 0.2690,
0.4818


 126.3694, 0.2967,
0.3904

 5.9998, 0.2556,
0.5217

 159.0729, 0.2981,
0.3855

 2.8449, 0.2318,
0.5880

196.9816, 0.2992,
0.3814

 1.0513, 0.0393,
0.9607

240.4798, 0.3002,

 0.0000, 0.0000,

0.3778

0.0000

289.9520, 0.3010,
0.3746

■ 39.9191, 0.2875,
0.4225

■ 39.9191, 0.2875,
0.4225

■ 38.6490, 0.2839,
0.4475

■ 41.4781, 0.2921,
0.3988

■ 37.6445, 0.2817,
0.4730

■ 43.3377, 0.2974,
0.3768

■ 36.8868, 0.2811,
0.4981


■ 45.5148, 0.3032,
0.3567


■ 36.3522, 0.2822,
0.5217

■ 48.0238, 0.3091,
0.3388

■ 36.0109, 0.2850,
0.5426


■ 50.8779, 0.3151,
0.3229

 35.9050, 0.2862,
0.5502

 54.0899, 0.3209,
0.3089

 57.6718, 0.3266,
0.2967

 61.6350, 0.3320,
0.2860

 63.1838, 0.3259,
0.2747

Harmonies

Analogous

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



39.9191, 0.3505, 0.4480



39.9191, 0.2875, 0.4225



39.9191, 0.2345, 0.3618

Triad

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



39.9191, 0.2875, 0.4225



39.9191, 0.2207, 0.2299



39.9191, 0.4350, 0.3419

Complementary

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



39.9191, 0.2875, 0.4225



22.3315, 0.3533, 0.2520

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.



39.9191, 0.3929, 0.2944



39.9191, 0.2875, 0.4225



39.9191, 0.2657, 0.2329

Square

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



39.9191, 0.2875, 0.4225



39.9191, 0.1996, 0.2504



39.9191, 0.3285, 0.2559



39.9191, 0.4389, 0.3910

Rectangle

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



39.9191, 0.2875, 0.4225



39.9191, 0.2112, 0.3168



39.9191, 0.3285, 0.2559



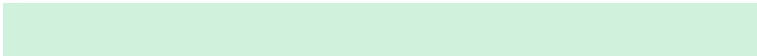
39.9191, 0.4248, 0.3255

Sweetspot

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



39.9207, 0.2875, 0.4225



82.2679, 0.3042, 0.3534



43.7850, 0.3534, 0.4513



17.9145, 0.3029, 0.3575



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.



39.9207, 0.2875, 0.4225



69.2389, 0.2840, 0.4472



41.3126, 0.2604, 0.3511



10.7014, 0.3071, 0.3446



24.7486, 0.2856, 0.5480



0.9819, 0.2714, 0.4969

Inverse Universe

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



22.3315, 0.3533, 0.2520



33.9039, 0.3657, 0.2372



21.1095, 0.4139, 0.3092



9.6400, 0.3188, 0.3139



8.2930, 0.4275, 0.2129



0.3366, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 39.9191, 0.2875, 0.4225 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 39.9191, 0.2875, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

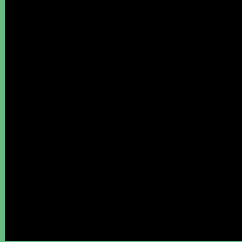
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9191, 0.2875, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 39.9191, 0.2875, 0.4225.



This preview shows how white text looks on a background with the Yxy color 39.9191, 0.2875, 0.4225.

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

39.9191, 0.2875, 0.4225

Protanopia

39.2342, 0.3662, 0.3929

Deuteranopia

39.3540, 0.3707, 0.3635



Tritanopia

39.8035, 0.2551, 0.3082

Trichromacy



Original Color

39.9191, 0.2875, 0.4225



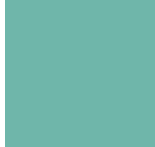
Protanomaly

38.8160, 0.3331, 0.4043



Deuteranomaly

38.4241, 0.3350, 0.3835



Tritanomaly

39.7377, 0.2670, 0.3475

Monochromacy



Original Color

39.9191, 0.2875, 0.4225



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.8637, 0.3013, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9191, 0.2875, 0.4225 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, 187, 130)` looks like.

```
.text, #text, p{  
    color:rgb(101, 187, 130)  
}
```

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, 187, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 187, 130) }
```

Border

The CSS property to change the border of an element to Yxy 39.9191, 0.2875, 0.4225 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, 187, 130) }
```

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

```
.border{ border-color:rgb(101, 187, 130) }
```

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

Here you see how a box with a 4 pixel rgb(101, 187, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 187, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 187, 130);  
box-shadow:4px 4px 4px 4px rgb(101, 187,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9191, 0.2875, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 187, 130) }
```

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

```
.background{ background-color: rgb(101,  
187, 130) }
```

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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