

Converting Colors

$Yxy(50.3523, 0.2899, 0.4225)$

Have a look what the booklet for
Yxy(50.3523, 0.2899, 0.4225)
contains.

Yxy(50.3523, 0.2899, 0.4225)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.3523, 0.2899, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	74CF90
RGB	116, 207, 144
RGB Percent	45%, 81%, 56%
CMY	0.5450, 0.1882, 0.4354
CMYK	0.44, 0.00, 0.30, 0.19
HSL	138°, 49%, 63%
HSV	138°, 44%, 81%
XYZ	34.5494, 50.3523, 34.2753
YIQ	172.6090, -34.0130, -38.8850

Conversions

Conversions Part 2

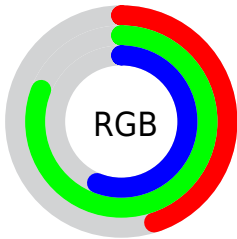
Format	Color
RYB	116, 186, 207
Decimal	7655312
CIELab	76.28, -40.94, 23.06
CIELCh	76, 46.990, 150.610
Yxy	50.3523, 0.2899, 0.4225
Android (android.graphics.Color)	4285845392 (0xFF74CF90)
YUV	172.6090, -14.1042, -49.6461
Hunter-Lab	70.9594, -37.2689, 21.0328

Details

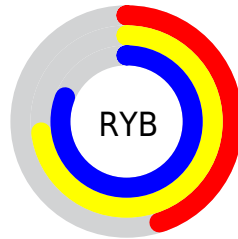
The Yxy color **50.3523, 0.2899, 0.4225** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.0163, 0.3480, 0.2517**, and the grayscale version is **41.6677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3679, 0.2946, 0.3947**, and **24.2074, 0.2816, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **48.6792, 0.2864, 0.4486**, and if you desaturate by 10%, it is **52.4013, 0.2944, 0.3977**.

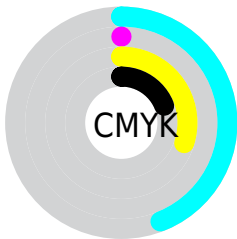
Distribution



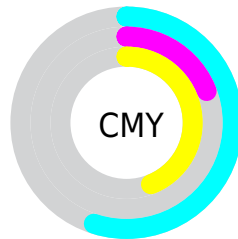
- Red (45%)
- Green (81%)
- Blue (56%)



- Red (45%)
- Yellow (73%)
- Blue (81%)



- Cyan (44%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)





- Cyan (55%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3523, 0.2899, 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 50.3523, 0.2899, 0.4225 by changing the saturation by 10% instead.


 50.3523, 0.2899,
0.4225

 50.3523, 0.2899,
0.4225


388.0421, 0.3025,
0.3737

 35.6934, 0.2864,
0.4353


 90.6966, 0.2948,
0.4043

 24.1975, 0.2816,
0.4520


 117.1509, 0.2965,
0.3976

 15.4802, 0.2747,
0.4749


 148.3057, 0.2980,
0.3920

 9.1571, 0.2644,
0.5077

184.5455, 0.2992,
0.3873

 4.8438, 0.2474,
0.5583

226.2546, 0.3002,
0.3832

 2.1559, 0.2217,
0.6694

273.8175, 0.3011,

 0.6958, 0.0000,

0.3796

1.0000

327.6185, 0.3018,
0.3765

0.0000, 0.0000,
0.0000

50.3523, 0.2899,
0.4225

50.3523, 0.2899,
0.4225

48.6792, 0.2864,
0.4486

52.4013, 0.2944,
0.3977

47.3525, 0.2841,
0.4754

54.8412, 0.2995,
0.3749

46.3481, 0.2833,
0.5016


57.6937, 0.3049,
0.3542

45.6362, 0.2842,
0.5261


60.9770, 0.3105,
0.3357


45.1809, 0.2867,
0.5477

64.7085, 0.3161,
0.3194

 44.9932, 0.2886,
0.5591

 68.9042, 0.3215,
0.3051

 72.4400, 0.3223,
0.2921

 73.1073, 0.3149,
0.2821

Harmonies

Analogous

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



50.3523, 0.3521, 0.4463



50.3523, 0.2899, 0.4225



50.3523, 0.2370, 0.3635

Triad

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



50.3523, 0.2899, 0.4225



50.3523, 0.2208, 0.2315



50.3523, 0.4325, 0.3403

Complementary

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



50.3523, 0.2899, 0.4225



29.0163, 0.3480, 0.2517

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.



50.3523, 0.3899, 0.2935



50.3523, 0.2899, 0.4225



50.3523, 0.2646, 0.2336

Square

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



50.3523, 0.2899, 0.4225



50.3523, 0.2007, 0.2526



50.3523, 0.3262, 0.2558



50.3523, 0.4377, 0.3889

Rectangle

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



50.3523, 0.2899, 0.4225



50.3523, 0.2134, 0.3191



50.3523, 0.3262, 0.2558



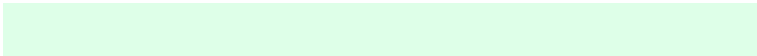
50.3523, 0.4220, 0.3241

Sweetspot

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



50.3544, 0.2899, 0.4225



92.8543, 0.3054, 0.3526



55.5568, 0.3546, 0.4455



19.6408, 0.3041, 0.3570



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.3544, 0.2899, 0.4225



78.0893, 0.2865, 0.4478



52.0070, 0.2636, 0.3545



13.2653, 0.3075, 0.3455



28.3617, 0.2880, 0.5566



1.6000, 0.2774, 0.5187

Inverse Universe

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



29.0163, 0.3480, 0.2517



39.4844, 0.3589, 0.2361



27.4873, 0.4042, 0.3061



11.9446, 0.3184, 0.3130



9.6321, 0.4166, 0.2069



0.5524, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 50.3523, 0.2899, 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 50.3523, 0.2899, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

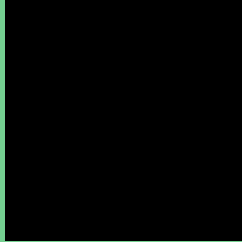
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3523, 0.2899, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 50.3523, 0.2899, 0.4225.



This preview shows how white text looks on a background with the Yxy color 50.3523, 0.2899, 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

50.3523, 0.2899, 0.4225

Protanopia

49.7074, 0.3669, 0.3944

Deuteranopia

49.7500, 0.3723, 0.3651



Tritanopia

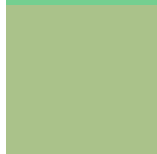
50.1487, 0.2566, 0.3075

Trichromacy



Original Color

50.3523, 0.2899, 0.4225



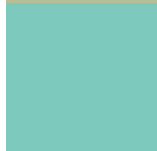
Protanomaly

48.9646, 0.3349, 0.4054



Deuteranomaly

48.7888, 0.3377, 0.3848



Tritanomaly

49.8830, 0.2680, 0.3457

Monochromacy



Original Color

50.3523, 0.2899, 0.4225



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

43.9820, 0.3030, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3523, 0.2899, 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(116, 207, 144)` looks like.

```
.text, #text, p{  
    color:rgb(116, 207, 144)  
}
```

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(116, 207, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 207, 144) }
```

Border

The CSS property to change the border of an element to Yxy 50.3523, 0.2899, 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(116, 207, 144) }
```

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

```
.border{ border-color:rgb(116, 207, 144) }
```

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

Here you see how a box with a 4 pixel rgb(116, 207, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 207, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 207, 144);  
box-shadow:4px 4px 4px 4px rgb(116, 207,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3523, 0.2899, 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(116, 207, 144) }
```

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

```
.background{ background-color: rgb(116,  
207, 144) }
```

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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