

Converting Colors

$Yxy(42.7219, 0.2741, 0.4881)$

Have a look what the booklet for
Yxy(42.7219, 0.2741, 0.4881)
contains.

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Color

Yxy(42.7274, 0.2739, 0.4876)

Conversions

Conversions Part 1

Format	Color
Hex	23C86B
RGB	35, 200, 107
RGB Percent	14%, 78%, 42%
CMY	0.8629, 0.2157, 0.5803
CMYK	0.83, 0.00, 0.46, 0.22
HSL	146°, 70%, 46%
HSV	146°, 83%, 78%
XYZ	24.0013, 42.7274, 20.8993
YIQ	140.0630, -68.4870, -63.9030

Conversions

Conversions Part 2

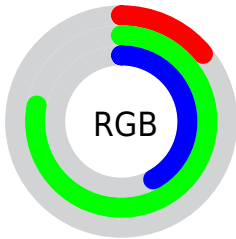
Format	Color
RYB	35, 150, 200
Decimal	2345067
CIELab	71.37, -60.56, 35.27
CIELCh	71, 70.079, 149.784
Yxy	42.7274, 0.2739, 0.4876
Android (android.graphics.Color)	4280535147 (0xFF23C86B)
YUV	140.0630, -16.3001, -92.1403
Hunter-Lab	65.3662, -48.8488, 26.7998

Details

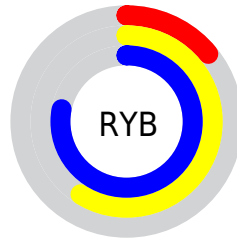
The Yxy color **42.7274, 0.2739, 0.4876** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **15.0367, 0.4345, 0.2308**, and the grayscale version is **26.3332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3731, 0.2829, 0.4510**, and **20.2419, 0.2807, 0.5303** is the 20% darker color. If you saturate the color by 10%, you get **42.2517, 0.2760, 0.5081**, and if you desaturate by 10%, it is **43.4366, 0.2737, 0.4659**.

Distribution



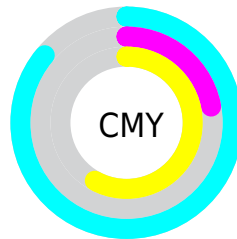
- Red (14%)
- Green (78%)
- Blue (42%)



- Red (14%)
- Yellow (59%)
- Blue (78%)



- Cyan (83%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)



- Cyan (86%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7274, 0.2739, 0.4876 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 42.7274, 0.2739, 0.4876 by changing the saturation by 10% instead.

 42.7274, 0.2739,
0.4876


 42.7274, 0.2739,
0.4876


357.4895, 0.2973,
0.4007


 29.6713, 0.2666,
0.5117


 79.2993, 0.2835,
0.4542

 19.5892, 0.2563,
0.5438


 103.5839, 0.2867,
0.4422


 12.0968, 0.2408,
0.5885


 132.3802, 0.2894,
0.4323

 6.8096, 0.2161,
0.6534

 166.0724, 0.2915,
0.4239

 3.3433, 0.1824,
0.7916

 205.0451, 0.2933,
0.4168

 1.3135, 0.0000,
1.0000

249.6826, 0.2949,

 0.1516, 0.0000,

0.4107


1.0000


300.3692, 0.2962,
0.4053


 0.0000, 0.0000,
0.0000


 42.7274, 0.2739,
0.4876

 42.7274, 0.2739,
0.4876


 42.2517, 0.2760,
0.5081


 43.4366, 0.2737,
0.4659

 42.0039, 0.2784,
0.5224

 44.4047, 0.2754,
0.4439

 45.6593, 0.2788,
0.4221

 47.2229, 0.2837,
0.4011

 49.1157, 0.2896,
0.3815

■ 51.3561, 0.2963,
0.3635

■ 53.9611, 0.3035,
0.3471

■ 56.9467, 0.3108,
0.3324

■ 60.3277, 0.3183,
0.3194

Harmonies

Analogous

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



42.7274, 0.3660, 0.5151



42.7274, 0.2739, 0.4876



42.7274, 0.1974, 0.3853

Triad

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



42.7274, 0.2739, 0.4876



42.7274, 0.1765, 0.1861



42.7274, 0.4991, 0.3351

Complementary

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



42.7274, 0.2739, 0.4876



15.0367, 0.4345, 0.2308

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.



42.7274, 0.4309, 0.2717



42.7274, 0.2739, 0.4876



42.7274, 0.2360, 0.1904

Square

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



42.7274, 0.2739, 0.4876



42.7274, 0.1503, 0.2124



42.7274, 0.3279, 0.2206



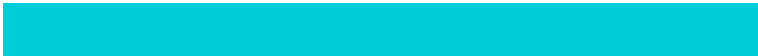
42.7274, 0.5021, 0.4039

Rectangle

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



42.7274, 0.2739, 0.4876



42.7274, 0.1656, 0.3104



42.7274, 0.3279, 0.2206



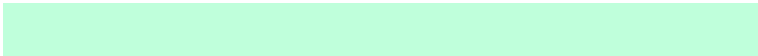
42.7274, 0.4829, 0.3131

Sweetspot

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



42.7291, 0.2739, 0.4876



87.7478, 0.2943, 0.3684



46.0584, 0.3526, 0.5426



18.4841, 0.2920, 0.3748



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.



42.7291, 0.2739, 0.4876



72.7238, 0.2788, 0.5231



45.3412, 0.2328, 0.3457



11.9635, 0.3058, 0.3423



26.7238, 0.2777, 0.5198



1.2799, 0.2662, 0.4783

Inverse Universe

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



15.0367, 0.4345, 0.2308



23.3525, 0.4708, 0.2372



13.6768, 0.5862, 0.3218



10.7353, 0.3203, 0.3161



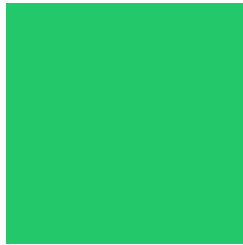
8.5793, 0.4675, 0.2349



0.4206, 0.4289, 0.2136

Previews

White Background



This preview shows how the Yxy color 42.7274, 0.2739, 0.4876 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 42.7274, 0.2739, 0.4876 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 42.7274, 0.2739, 0.4876

Background



This preview shows how black text looks on a background with the Yxy color 42.7274, 0.2739, 0.4876.



This preview shows how white text looks on a background with the Yxy color 42.7274, 0.2739, 0.4876.

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

42.7274, 0.2739, 0.4876

Protanopia

41.6974, 0.3937, 0.4282

Deuteranopia

41.9201, 0.4005, 0.3928



Tritanopia

42.5042, 0.2344, 0.3066

Trichromacy



Original Color

42.7274, 0.2739, 0.4876



Protanomaly

39.8749, 0.3329, 0.4559



Deuteranomaly

39.0304, 0.3361, 0.4298



Tritanomaly

42.0945, 0.2473, 0.3673

Monochromacy



Original Color

42.7274, 0.2739, 0.4876



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.2240, 0.2873, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7274, 0.2739, 0.4876 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(35, 200, 107)` looks like.

```
.text, #text, p{  
    color:rgb(35, 200, 107)  
}
```

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(35, 200, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 200, 107) }
```

Border

The CSS property to change the border of an element to Yxy 42.7274, 0.2739, 0.4876 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(35, 200, 107) }
```

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

```
.border{ border-color:rgb(35, 200, 107) }
```

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

Here you see how a box with a 4 pixel rgb(35, 200, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 200, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 200, 107);  
box-shadow:4px 4px 4px 4px rgb(35, 200,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7274, 0.2739, 0.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 200, 107) }
```

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

```
.background{ background-color: rgb(35, 200,  
107) }
```

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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