

Converting Colors

$Yxy(42.7065, 0.2744, 0.4893)$

Have a look what the booklet for
Yxy(42.7065, 0.2744, 0.4893)
contains.

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Color

Yxy(42.7065, 0.2744, 0.4893)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 23C86A |
| RGB | 35, 200, 106 |
| RGB Percent | 14%, 78%, 42% |
| CMY | 0.8628, 0.2157, 0.5842 |
| CMYK | 0.83, 0.00, 0.47, 0.22 |
| HSL | 146°, 70%, 46% |
| HSV | 146°, 83%, 78% |
| XYZ | 23.9499, 42.7065, 20.6245 |
| YIQ | 139.9490, -68.1660, -64.2140 |

Conversions

Conversions Part 2

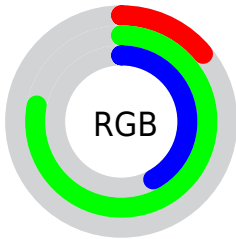
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 35, 150, 200 |
| Decimal | 2345066 |
| CIELab | 71.36, -60.72, 35.75 |
| CIELCh | 71, 70.466, 149.511 |
| Yxy | 42.7065, 0.2744, 0.4893 |
| Android (android.graphics.Color) | 4280535146 (0xFF23C86A) |
| YUV | 139.9490, -16.7369, -92.0403 |
| Hunter-Lab | 65.3502, -48.9453, 27.0333 |

Details

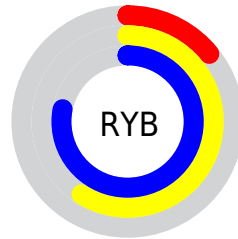
The Yxy color **42.7065, 0.2744, 0.4893** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **15.0653, 0.4325, 0.2296**, and the grayscale version is **26.2916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3382, 0.2834, 0.4524**, and **20.2320, 0.2812, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **42.2310, 0.2765, 0.5099**, and if you desaturate by 10%, it is **43.4161, 0.2742, 0.4674**.

Distribution



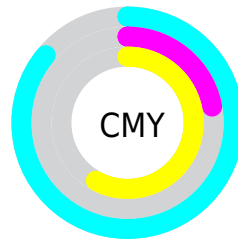
- Red (14%)
- Green (78%)
- Blue (42%)



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



- Cyan (83%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7065, 0.2744, 0.4893 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 42.7065, 0.2744, 0.4893 by changing the saturation by 10% instead.


 42.7065, 0.2744,
0.4893


 42.7065, 0.2744,
0.4893


357.4034, 0.2976,
0.4014


 29.6549, 0.2671,
0.5136


 79.2678, 0.2839,
0.4555


 19.5768, 0.2567,
0.5461


 103.5462, 0.2872,
0.4434


 12.0878, 0.2412,
0.5912


 132.3358, 0.2898,
0.4334

 6.8035, 0.2164,
0.6566

 166.0208, 0.2919,
0.4249

 3.3395, 0.1830,
0.7991

 204.9856, 0.2937,
0.4177

 1.3114, 0.0000,
1.0000

249.6148, 0.2952,


 0.1500, 0.0000,


0.4115


1.0000


300.2925, 0.2965,
0.4061


 0.0000, 0.0000,
0.0000


 42.7065, 0.2744,
0.4893


 42.7065, 0.2744,
0.4893


 42.2310, 0.2765,
0.5099


 43.4161, 0.2742,
0.4674

 41.9833, 0.2790,
0.5243

 44.3853, 0.2759,
0.4451

 45.6417, 0.2792,
0.4231

 47.2078, 0.2840,
0.4019

 49.1038, 0.2899,
0.3821

■ 51.3482, 0.2965,
0.3638

■ 53.9581, 0.3036,
0.3473

■ 56.9493, 0.3109,
0.3324

■ 60.3368, 0.3182,
0.3193

Harmonies

Analogous

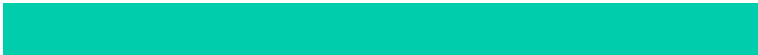
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.7065, 0.3669, 0.5160



42.7065, 0.2744, 0.4893



42.7065, 0.1974, 0.3866

Triad

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



42.7065, 0.2744, 0.4893



42.7065, 0.1755, 0.1855



42.7065, 0.4997, 0.3344

Complementary

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



42.7065, 0.2744, 0.4893



15.0653, 0.4325, 0.2296

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.



42.7065, 0.4307, 0.2709



42.7065, 0.2744, 0.4893



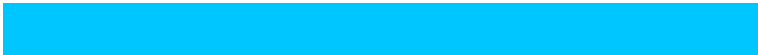
42.7065, 0.2349, 0.1897

Square

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



42.7065, 0.2744, 0.4893



42.7065, 0.1495, 0.2122



42.7065, 0.3270, 0.2197



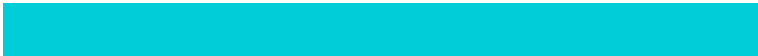
42.7065, 0.5033, 0.4034

Rectangle

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



42.7065, 0.2744, 0.4893



42.7065, 0.1652, 0.3111



42.7065, 0.3270, 0.2197



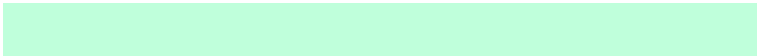
42.7065, 0.4833, 0.3124

Sweetspot

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



42.7082, 0.2744, 0.4893



87.7272, 0.2946, 0.3689



46.2762, 0.3548, 0.5409



18.4792, 0.2922, 0.3754



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.



42.7082, 0.2744, 0.4893



72.6893, 0.2793, 0.5250



45.2229, 0.2341, 0.3500



11.9624, 0.3059, 0.3425



26.7110, 0.2783, 0.5217



1.2792, 0.2667, 0.4800

Inverse Universe

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



15.0653, 0.4325, 0.2296



23.4006, 0.4682, 0.2357



13.7009, 0.5824, 0.3195



10.7365, 0.3202, 0.3159



8.5969, 0.4650, 0.2335



0.4214, 0.4271, 0.2126

Previews

White Background



This preview shows how the Yxy color 42.7065, 0.2744, 0.4893 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 42.7065, 0.2744, 0.4893 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 42.7065, 0.2744, 0.4893

Background



This preview shows how black text looks on a background with the Yxy color 42.7065, 0.2744, 0.4893.

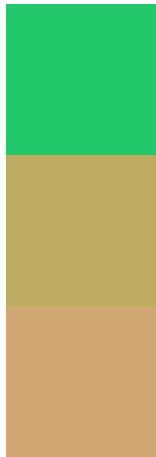


This preview shows how white text looks on a background with the Yxy color 42.7065, 0.2744, 0.4893.

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

42.7065, 0.2744, 0.4893

Protanopia

41.6788, 0.3945, 0.4294

Deuteranopia

41.8972, 0.4014, 0.3940



Tritanopia

42.5042, 0.2344, 0.3066

Trichromacy



Original Color

42.7065, 0.2744, 0.4893



Protanomaly

39.8554, 0.3336, 0.4574



Deuteranomaly

39.0082, 0.3369, 0.4313



Tritanomaly

42.0571, 0.2479, 0.3690

Monochromacy



Original Color

42.7065, 0.2744, 0.4893



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 42.7065, 0.2744, 0.4893 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(35, 200, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 200, 106) }
```

Border

The CSS property to change the border of an element to Yxy 42.7065, 0.2744, 0.4893 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, 106) }
```

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

```
.border{ border-color:rgb(35, 200, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 200, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 200, 106);  
box-shadow:4px 4px 4px 4px rgb(35, 200,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7065, 0.2744, 0.4893 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, 106) }
```

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

```
.background{ background-color: rgb(35, 200,  
106) }
```

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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