

Converting Colors

$Yxy(43.0567, 0.2742, 0.4612)$

Have a look what the booklet for
Yxy(43.0567, 0.2742, 0.4612)
contains.

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Color

Yxy(43.1636, 0.2744, 0.4612)

Conversions

Conversions Part 1

Format	Color
Hex	3CC778
RGB	60, 199, 120
RGB Percent	24%, 78%, 47%
CMY	0.7643, 0.2196, 0.5294
CMYK	0.70, 0.00, 0.40, 0.22
HSL	146°, 55%, 51%
HSV	146°, 70%, 78%
XYZ	25.6810, 43.1636, 24.7451
YIQ	148.4330, -57.4850, -54.0370

Conversions

Conversions Part 2

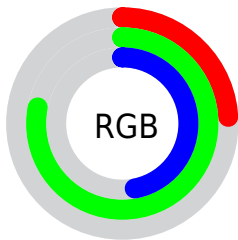
Format	Color
RYB	60, 157, 199
Decimal	3983224
CIELab	71.67, -54.63, 29.10
CIELCh	72, 61.894, 151.958
Yxy	43.1636, 0.2744, 0.4612
Android (android.graphics.Color)	4282173304 (0xFF3CC778)
YUV	148.4330, -14.0175, -77.5557
Hunter-Lab	65.6990, -45.1996, 23.6581

Details

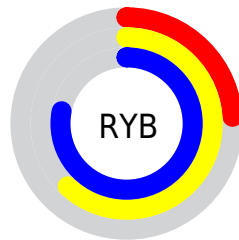
The Yxy color **43.1636, 0.2744, 0.4612** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.2507, 0.4070, 0.2353**, and the grayscale version is **29.8942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8222, 0.2829, 0.4320**, and **20.3887, 0.2728, 0.5020** is the 20% darker color. If you saturate the color by 10%, you get **42.3980, 0.2741, 0.4832**, and if you desaturate by 10%, it is **44.1983, 0.2766, 0.4389**.

Distribution



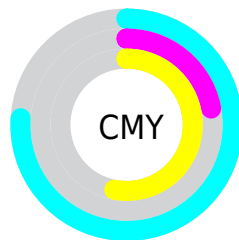
- Red (24%)
- Green (78%)
- Blue (47%)



- Red (24%)
- Yellow (62%)
- Blue (78%)



- Cyan (70%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)





- Cyan (76%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1636, 0.2744, 0.4612 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 43.1636, 0.2744, 0.4612 by changing the saturation by 10% instead.

 43.1636, 0.2744,
0.4612


 43.1636, 0.2744,
0.4612


359.2841, 0.2964,
0.3894

 30.0135, 0.2679,
0.4810


 79.9577, 0.2831,
0.4337

 19.8488, 0.2589,
0.5075


 104.3704, 0.2862,
0.4238

 12.2852, 0.2458,
0.5444


 133.3062, 0.2887,
0.4156

 6.9382, 0.2252,
0.5990

 167.1494, 0.2907,
0.4087

 3.4235, 0.1920,
0.6914

 206.2844, 0.2925,
0.4028

 1.3566, 0.0000,
1.0000

251.0956, 0.2940,

 0.1844, 0.0000,

0.3977

1.0000

301.9674, 0.2953,
0.3933

■ 0.0000, 0.0000,
0.0000

■ 43.1636, 0.2744,
0.4612

■ 43.1636, 0.2744,
0.4612

■ 42.3980, 0.2741,
0.4832

■ 44.1983, 0.2766,
0.4389

■ 41.8673, 0.2757,
0.5042

■ 45.5212, 0.2804,
0.4171

■ 41.5208, 0.2788,
0.5236

■ 47.1557, 0.2855,
0.3963

■ 41.5146, 0.2789,
0.5240

■ 49.1212, 0.2916,
0.3769

■ 51.4356, 0.2984,
0.3591

■ 54.1154, 0.3055,
0.3431

■ 57.1760, 0.3129,
0.3287

■ 60.6319, 0.3202,
0.3160

■ 64.4969, 0.3273,
0.3049

Harmonies

Analogous

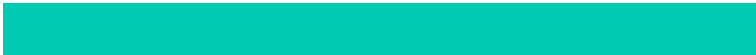
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.1636, 0.3573, 0.4934



43.1636, 0.2744, 0.4612



43.1636, 0.2066, 0.3716

Triad

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



43.1636, 0.2744, 0.4612



43.1636, 0.1928, 0.1994



43.1636, 0.4797, 0.3416

Complementary

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



43.1636, 0.2744, 0.4612



17.2507, 0.4070, 0.2353

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.



43.1636, 0.4229, 0.2824



43.1636, 0.2744, 0.4612



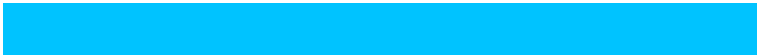
43.1636, 0.2498, 0.2048

Square

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



43.1636, 0.2744, 0.4612



43.1636, 0.1663, 0.2225



43.1636, 0.3336, 0.2341



43.1636, 0.4805, 0.4047

Rectangle

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



43.1636, 0.2744, 0.4612



43.1636, 0.1784, 0.3078



43.1636, 0.3336, 0.2341



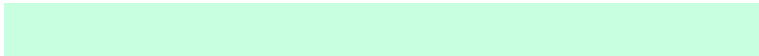
43.1636, 0.4665, 0.3211

Sweetspot

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



43.1653, 0.2744, 0.4612



89.4113, 0.2973, 0.3617



46.8464, 0.3554, 0.5164



18.8869, 0.2954, 0.3666



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.



43.1653, 0.2744, 0.4612



73.6855, 0.2747, 0.4948



45.4154, 0.2388, 0.3464



11.9626, 0.3058, 0.3424



26.7124, 0.2782, 0.5215



1.2793, 0.2666, 0.4798

Inverse Universe

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



17.2507, 0.4070, 0.2353



25.4632, 0.4383, 0.2296



15.8473, 0.5274, 0.3174



10.7363, 0.3202, 0.3159



8.5948, 0.4653, 0.2337



0.4213, 0.4273, 0.2127

Previews

White Background



This preview shows how the Yxy color 43.1636, 0.2744, 0.4612 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 43.1636, 0.2744, 0.4612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

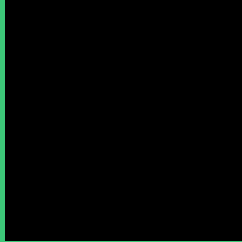
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1636, 0.2744, 0.4612

Background



This preview shows how black text looks on a background with the Yxy color 43.1636, 0.2744, 0.4612.

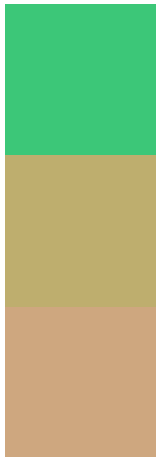


This preview shows how white text looks on a background with the Yxy color 43.1636, 0.2744, 0.4612.

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

43.1636, 0.2744, 0.4612

Protanopia

42.3450, 0.3827, 0.4136

Deuteranopia

42.2916, 0.3870, 0.3798



Tritanopia

42.9790, 0.2386, 0.3069

Trichromacy



Original Color

43.1636, 0.2744, 0.4612



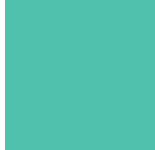
Protanomaly

40.9215, 0.3316, 0.4335



Deuteranomaly

40.4677, 0.3339, 0.4108



Tritanomaly

42.8625, 0.2514, 0.3601

Monochromacy



Original Color

43.1636, 0.2744, 0.4612



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.1854, 0.2914, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1636, 0.2744, 0.4612 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(60, 199, 120)` looks like.

```
.text, #text, p{  
    color:rgb(60, 199, 120)  
}
```

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(60, 199, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 199, 120) }
```

Border

The CSS property to change the border of an element to Yxy 43.1636, 0.2744, 0.4612 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(60, 199, 120) }
```

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

```
.border{ border-color:rgb(60, 199, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 199, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 199, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 199, 120);  
box-shadow:4px 4px 4px 4px rgb(60, 199,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1636, 0.2744, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 199, 120) }
```

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

```
.background{ background-color: rgb(60, 199,  
120) }
```

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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