

Converting Colors

$Yxy(42.3930, 0.2443, 0.3862)$

Have a look what the booklet for
Yxy(42.3930, 0.2443, 0.3862)
contains.

Yxy(42.3764, 0.2444, 0.3864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3764, 0.2444, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	21C4A1
RGB	33, 196, 161
RGB Percent	13%, 77%, 63%
CMY	0.8702, 0.2314, 0.3686
CMYK	0.83, 0.00, 0.18, 0.23
HSL	167°, 71%, 45%
HSV	167°, 83%, 77%
XYZ	26.8033, 42.3764, 40.4901
YIQ	143.2730, -85.9130, -45.4410

Conversions

Conversions Part 2

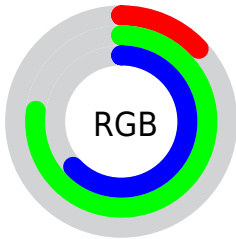
Format	Color
RYB	33, 124, 196
Decimal	2213025
CIELab	71.13, -47.68, 6.40
CIElCh	71, 48.103, 172.353
Yxy	42.3764, 0.2444, 0.3864
Android (android.graphics.Color)	4280403105 (0xFF21C4A1)
YUV	143.2730, 8.7394, -96.7094
Hunter-Lab	65.0972, -40.4239, 8.6900

Details

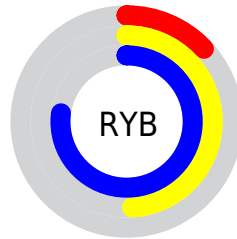
The Yxy color **42.3764, 0.2444, 0.3864** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **13.2479, 0.5491, 0.2986**, and the grayscale version is **27.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4596, 0.2569, 0.3744**, and **20.1755, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **41.9963, 0.2439, 0.3942**, and if you desaturate by 10%, it is **42.9530, 0.2468, 0.3785**.

Distribution



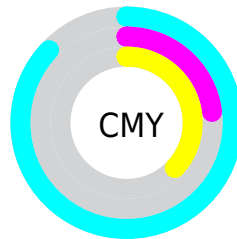
- Red (13%)
- Green (77%)
- Blue (63%)



- Red (13%)
- Yellow (49%)
- Blue (77%)



- Cyan (83%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)



- Cyan (87%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3764, 0.2444, 0.3864 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 42.3764, 0.2444, 0.3864 by changing the saturation by 10% instead.

 42.3764, 0.2444,
0.3864


 42.3764, 0.2444,
0.3864

356.0409, 0.2792,
0.3565


 29.3961, 0.2355,
0.3943


 78.7690, 0.2572,
0.3752

 19.3807, 0.2241,
0.4046


 102.9501, 0.2620,
0.3711


 11.9457, 0.2087,
0.4187


 131.6336, 0.2660,
0.3677

 6.7067, 0.1871,
0.4391

 165.2039, 0.2694,
0.3648

 3.2794, 0.1550,
0.4711

 204.0454, 0.2724,
0.3623

 1.2793, 0.0033,
0.5867

248.5424, 0.2750,

 0.1251, 0.0000,

0.3601

1.0000

299.0795, 0.2772,
0.3582

■ 0.0000, 0.0000,
0.0000

■ 42.3764, 0.2444,
0.3864

■ 42.3764, 0.2444,
0.3864

■ 41.9963, 0.2439,
0.3942

■ 42.9530, 0.2468,
0.3785

■ 41.8090, 0.2443,
0.3996

■ 43.7497, 0.2511,
0.3707

■ 44.7919, 0.2573,
0.3631

■ 46.1003, 0.2653,
0.3557

■ 47.6932, 0.2747,
0.3487

■ 49.5875, 0.2852,
0.3422

■ 51.7985, 0.2967,
0.3361

■ 54.3408, 0.3089,
0.3306

■ 57.2278, 0.3213,
0.3256

Harmonies

Analogous

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



42.3764, 0.3056, 0.4432



42.3764, 0.2444, 0.3864



42.3764, 0.2042, 0.3137

Triad

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



42.3764, 0.2444, 0.3864



42.3764, 0.2454, 0.2239



42.3764, 0.4506, 0.3782

Complementary

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



42.3764, 0.2444, 0.3864



13.2479, 0.5491, 0.2986

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.



42.3764, 0.4335, 0.3260



42.3764, 0.2444, 0.3864



42.3764, 0.3074, 0.2421

Square

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



42.3764, 0.2444, 0.3864



42.3764, 0.2055, 0.2277



42.3764, 0.3785, 0.2782



42.3764, 0.4262, 0.4262

Rectangle

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



42.3764, 0.2444, 0.3864



42.3764, 0.1926, 0.2731



42.3764, 0.3785, 0.2782



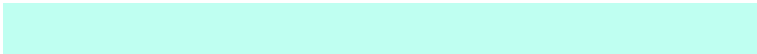
42.3764, 0.4498, 0.3608

Sweetspot

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



42.3780, 0.2444, 0.3864



88.9981, 0.2827, 0.3436



40.8331, 0.3141, 0.5718



18.7832, 0.2789, 0.3459



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.



42.3780, 0.2444, 0.3864



75.7009, 0.2447, 0.4008



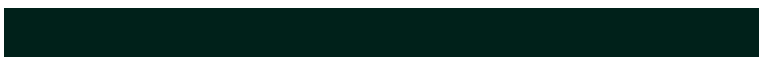
26.0744, 0.2071, 0.2515



11.3902, 0.3012, 0.3340



26.8777, 0.2440, 0.3985



1.1708, 0.2392, 0.3811

Inverse Universe

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



13.2479, 0.5491, 0.2986



21.5336, 0.6077, 0.3121



17.4758, 0.5526, 0.3735



10.1125, 0.3256, 0.3241



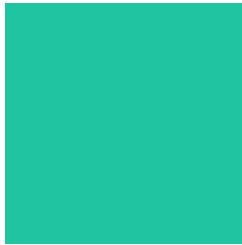
7.6592, 0.6011, 0.3085



0.3414, 0.5379, 0.2737

Previews

White Background



This preview shows how the Yxy color 42.3764, 0.2444, 0.3864 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 42.3764, 0.2444, 0.3864 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 42.3764, 0.2444, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 42.3764, 0.2444, 0.3864.

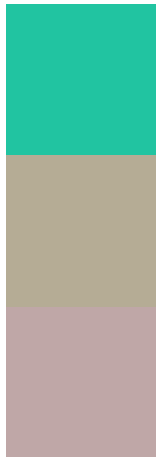


This preview shows how white text looks on a background with the Yxy color 42.3764, 0.2444, 0.3864.

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

42.3764, 0.2444, 0.3864

Protanopia

41.4987, 0.3408, 0.3605

Deuteranopia

41.5038, 0.3352, 0.3291



Tritanopia

42.3585, 0.2287, 0.3064

Trichromacy



Original Color

42.3764, 0.2444, 0.3864



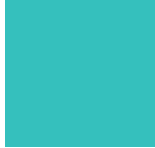
Protanomaly

39.8597, 0.2897, 0.3722



Deuteranomaly

39.6257, 0.2862, 0.3485



Tritanomaly

42.1303, 0.2335, 0.3334

Monochromacy



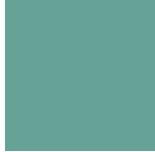
Original Color

42.3764, 0.2444, 0.3864



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.9262, 0.2714, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3764, 0.2444, 0.3864 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(33, 196, 161)` looks like.

```
.text, #text, p{  
    color:rgb(33, 196, 161)  
}
```

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(33, 196, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 196, 161) }
```

Border

The CSS property to change the border of an element to Yxy 42.3764, 0.2444, 0.3864 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(33, 196, 161) }
```

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

```
.border{ border-color:rgb(33, 196, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 196, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 196, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 196, 161);  
box-shadow:4px 4px 4px 4px rgb(33, 196,  
161) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.3764, 0.2444, 0.3864$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 196, 161) }
```

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

```
.background{ background-color: rgb(33, 196,  
161) }
```

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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