

Converting Colors

$Yxy(60.1934, 0.2449, 0.3915)$

Have a look what the booklet for
Yxy(60.1934, 0.2449, 0.3915)
contains.

Yxy(60.4789, 0.2449, 0.3916)	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(60.4789, 0.2449, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	22E6BA
RGB	34, 230, 186
RGB Percent	13%, 90%, 73%
CMY	0.8662, 0.0980, 0.2705
CMYK	0.85, 0.00, 0.19, 0.10
HSL	167°, 80%, 52%
HSV	167°, 85%, 90%
XYZ	37.8225, 60.4789, 56.1391
YIQ	166.3800, -102.6920, -55.2360

Conversions

Conversions Part 2

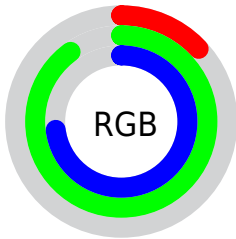
Format	Color
RYB	34, 144, 230
Decimal	2287290
CIELab	82.10, -55.07, 8.76
CIELCh	82, 55.760, 170.960
Yxy	60.4789, 0.2449, 0.3916
Android (android.graphics.Color)	4280477370 (0xFF22E6BA)
YUV	166.3800, 9.6727, -116.0973
Hunter-Lab	77.7682, -49.2810, 11.6376

Details

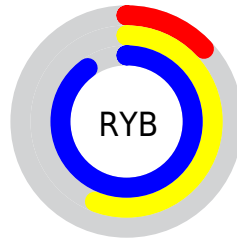
The Yxy color **60.4789, 0.2449, 0.3916** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **18.5248, 0.5570, 0.2983**, and the grayscale version is **38.3332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7824, 0.2493, 0.3440**, and **31.5806, 0.2458, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **59.9954, 0.2450, 0.3999**, and if you desaturate by 10%, it is **61.2361, 0.2467, 0.3832**.

Distribution



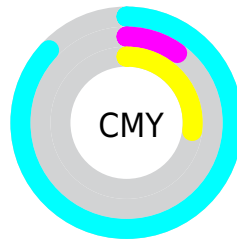
- Red (13%)
- Green (90%)
- Blue (73%)



- Red (13%)
- Yellow (56%)
- Blue (90%)



- Cyan (85%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)





- Cyan (87%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4789, 0.2449, 0.3916 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 60.4789, 0.2449, 0.3916 by changing the saturation by 10% instead.


 60.4789, 0.2449,
0.3916


 60.4789, 0.2449,
0.3916


426.3607, 0.2776,
0.3607

 43.8048, 0.2371,
0.3992


 105.5241, 0.2565,
0.3805


 30.5170, 0.2274,
0.4088


 134.6639, 0.2609,
0.3762


 20.2314, 0.2148,
0.4215


 168.7277, 0.2647,
0.3727

 12.5633, 0.1980,
0.4389

 208.0999, 0.2680,
0.3696

 7.1286, 0.1747,
0.4640

 253.1649, 0.2709,
0.3669

 3.5426, 0.1404,
0.5031

304.3071, 0.2734,

 1.4212, 0.0000,

0.3646

0.6269

361.9109, 0.2756,
0.3625

■ 0.2322, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4789, 0.2449,
0.3916

■ 60.4789, 0.2449,
0.3916

■ 59.9954, 0.2450,
0.3999

■ 61.2361, 0.2467,
0.3832

■ 59.8221, 0.2455,
0.4039


■ 62.3050, 0.2504,
0.3749


■ 63.7246, 0.2561,
0.3668


■ 65.5265, 0.2636,
0.3589

 67.7387, 0.2727,
0.3514

 70.3865, 0.2830,
0.3443

 73.4932, 0.2943,
0.3378

 77.0803, 0.3063,
0.3319

 81.1681, 0.3187,
0.3265

Harmonies

Analogous

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



60.4789, 0.3084, 0.4486



60.4789, 0.2449, 0.3916



60.4789, 0.2027, 0.3162

Triad

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



60.4789, 0.2449, 0.3916



60.4789, 0.2411, 0.2209



60.4789, 0.4547, 0.3765

Complementary

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



60.4789, 0.2449, 0.3916



18.5248, 0.5570, 0.2983

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.



60.4789, 0.4353, 0.3232



60.4789, 0.2449, 0.3916



60.4789, 0.3038, 0.2386

Square

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



60.4789, 0.2449, 0.3916



60.4789, 0.2015, 0.2258



60.4789, 0.3771, 0.2748



60.4789, 0.4311, 0.4265

Rectangle

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



60.4789, 0.2449, 0.3916



60.4789, 0.1900, 0.2738



60.4789, 0.3771, 0.2748



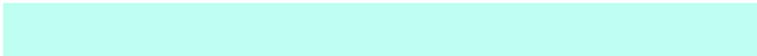
60.4789, 0.4532, 0.3587

Sweetspot

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



60.4812, 0.2449, 0.3916



88.5984, 0.2820, 0.3450



58.4074, 0.3144, 0.5760



18.7046, 0.2783, 0.3474



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.



60.4812, 0.2449, 0.3916



75.5851, 0.2456, 0.4043



37.8015, 0.2066, 0.2534



16.2781, 0.3011, 0.3343



33.8872, 0.2452, 0.4026



2.5178, 0.2418, 0.3905

Inverse Universe

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



18.5248, 0.5570, 0.2983



21.5580, 0.6050, 0.3106



23.6503, 0.5659, 0.3689



14.4207, 0.3257, 0.3237



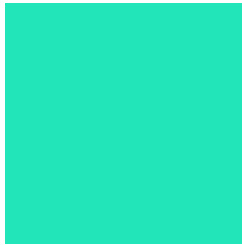
9.6780, 0.6001, 0.3080



0.7290, 0.5594, 0.2855

Previews

White Background



This preview shows how the Yxy color 60.4789, 0.2449, 0.3916 looks on a white background.

Color Contrast Check

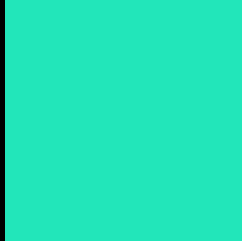
Large Text (above 18pt) WCAG AA × Fail

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 60.4789, 0.2449, 0.3916 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

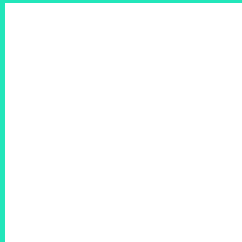
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.4789, 0.2449, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 60.4789, 0.2449, 0.3916.



This preview shows how white text looks on a background with the Yxy color 60.4789, 0.2449, 0.3916.

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

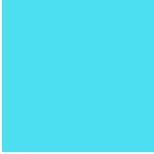
60.4789, 0.2449, 0.3916

Protanopia

59.3658, 0.3438, 0.3644

Deuteranopia

58.9328, 0.3379, 0.3302



Tritanopia

60.6221, 0.2277, 0.3057

Trichromacy



Original Color

60.4789, 0.2449, 0.3916



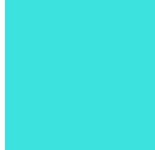
Protanomaly

56.5572, 0.2904, 0.3759



Deuteranomaly

55.9413, 0.2867, 0.3512



Tritanomaly

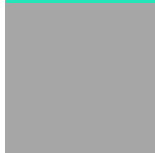
60.5738, 0.2332, 0.3355

Monochromacy



Original Color

60.4789, 0.2449, 0.3916



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

43.2639, 0.2709, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4789, 0.2449, 0.3916 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(34, 230, 186)` looks like.

```
.text, #text, p{  
    color:rgb(34, 230, 186)  
}
```

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(34, 230, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 230, 186) }
```

Border

The CSS property to change the border of an element to Yxy 60.4789, 0.2449, 0.3916 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(34, 230, 186) }
```

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

```
.border{ border-color:rgb(34, 230, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 230, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 230, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 230, 186);  
box-shadow:4px 4px 4px 4px rgb(34, 230,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4789, 0.2449, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 230, 186) }
```

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

```
.background{ background-color: rgb(34, 230,  
186) }
```

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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