

Converting Colors

$Yxy(55.4996, 0.2487, 0.3767)$

Have a look what the booklet for
Yxy(55.4996, 0.2487, 0.3767)
contains.

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Color

Yxy(55.4734, 0.2487, 0.3765)

Conversions

Conversions Part 1

Format	Color
Hex	45DBBA
RGB	69, 219, 186
RGB Percent	27%, 86%, 73%
CMY	0.7297, 0.1411, 0.2706
CMYK	0.69, 0.00, 0.15, 0.14
HSL	167°, 68%, 56%
HSV	167°, 69%, 86%
XYZ	36.6434, 55.4734, 55.2229
YIQ	170.3880, -78.8070, -42.0630

Conversions

Conversions Part 2

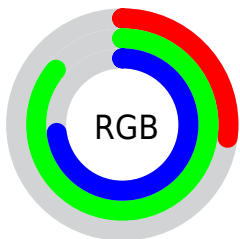
Format	Color
RYB	69, 153, 219
Decimal	4578234
CIELab	79.31, -46.93, 4.84
CIELCh	79, 47.175, 174.115
Yxy	55.4734, 0.2487, 0.3765
Android (android.graphics.Color)	4282768314 (0xFF45DBBA)
YUV	170.3880, 7.6967, -88.9173
Hunter-Lab	74.4805, -42.5212, 8.1763

Details

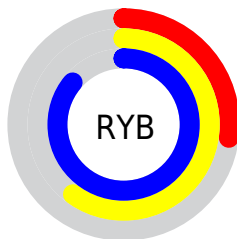
The Yxy color **55.4734, 0.2487, 0.3765** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.2673, 0.4911, 0.2950**, and the grayscale version is **40.3831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0817, 0.2557, 0.3438**, and **27.8878, 0.2411, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **54.6165, 0.2455, 0.3846**, and if you desaturate by 10%, it is **56.6369, 0.2538, 0.3685**.

Distribution



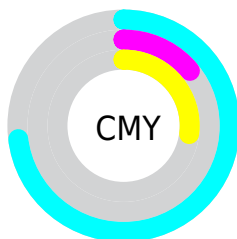
- Red (27%)
- Green (86%)
- Blue (73%)



- Red (27%)
- Yellow (60%)
- Blue (86%)



- Cyan (69%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)




- Cyan (73%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4734, 0.2487, 0.3765 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 55.4734, 0.2487, 0.3765 by changing the saturation by 10% instead.

 55.4734, 0.2487,
0.3765


 55.4734, 0.2487,
0.3765


407.7039, 0.2798,
0.3530

 39.7809, 0.2412,
0.3823

 98.2342, 0.2598,
0.3680

 27.3677, 0.2318,
0.3896


 126.0713, 0.2640,
0.3648

 17.8496, 0.2196,
0.3993


 158.7253, 0.2676,
0.3621

 10.8421, 0.2032,
0.4126

 196.5807, 0.2707,
0.3598

 5.9607, 0.1800,
0.4318

240.0219, 0.2734,
0.3578

 2.8212, 0.1454,
0.4621

289.4332, 0.2758,

 1.0391, 0.0000,

0.3560

0.5698

345.1991, 0.2779,
0.3544

0.0000, 0.0000,
0.0000

55.4734, 0.2487,
0.3765

55.4734, 0.2487,
0.3765

54.6165, 0.2455,
0.3846

56.6369, 0.2538,
0.3685

54.0251, 0.2443,
0.3928

58.1296, 0.2608,
0.3607


53.6497, 0.2449,
0.4008

59.9796, 0.2694,
0.3532

53.6018, 0.2450,
0.4020

62.2099, 0.2794,
0.3462

64.8418, 0.2904,
0.3397

 67.8949, 0.3022,
0.3337

 71.3875, 0.3146,
0.3282

 75.3368, 0.3271,
0.3234

 77.6054, 0.3317,
0.3187

Harmonies

Analogous

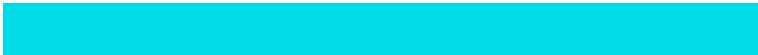
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.4734, 0.3036, 0.4282



55.4734, 0.2487, 0.3765



55.4734, 0.2130, 0.3125

Triad

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



55.4734, 0.2487, 0.3765



55.4734, 0.2549, 0.2337



55.4734, 0.4365, 0.3777

Complementary

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



55.4734, 0.2487, 0.3765



20.2673, 0.4911, 0.2950

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.



55.4734, 0.4229, 0.3300



55.4734, 0.2487, 0.3765



55.4734, 0.3121, 0.2514

Square

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



55.4734, 0.2487, 0.3765



55.4734, 0.2168, 0.2364



55.4734, 0.3754, 0.2855



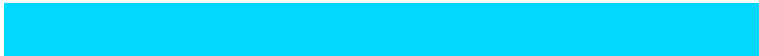
55.4734, 0.4134, 0.4199

Rectangle

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



55.4734, 0.2487, 0.3765



55.4734, 0.2031, 0.2766



55.4734, 0.3754, 0.2855



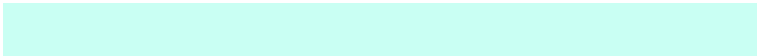
55.4734, 0.4362, 0.3619

Sweetspot

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



55.4756, 0.2487, 0.3765



90.4842, 0.2874, 0.3413



54.0370, 0.3195, 0.5377



19.1426, 0.2843, 0.3432



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.



55.4756, 0.2487, 0.3765



76.7016, 0.2448, 0.3880



38.6130, 0.2196, 0.2704



14.7780, 0.3011, 0.3342



31.7970, 0.2447, 0.4008



2.0723, 0.2410, 0.3876

Inverse Universe

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



20.2673, 0.4911, 0.2950



23.9773, 0.5482, 0.2978



26.4170, 0.5035, 0.3721



13.0982, 0.3257, 0.3239



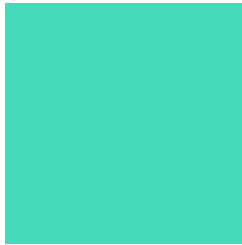
9.0708, 0.6009, 0.3084



0.6007, 0.5549, 0.2830

Previews

White Background



This preview shows how the Yxy color 55.4734, 0.2487, 0.3765 looks on a white background.

Color Contrast Check

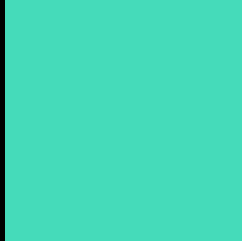
Large Text (above 18pt) WCAG AA × Fail

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 55.4734, 0.2487, 0.3765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

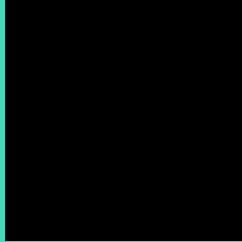
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

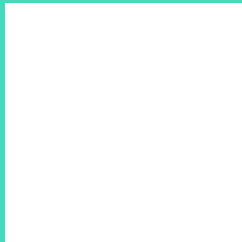
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4734, 0.2487, 0.3765

Background



This preview shows how black text looks on a background with the Yxy color 55.4734, 0.2487, 0.3765.



This preview shows how white text looks on a background with the Yxy color 55.4734, 0.2487, 0.3765.

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

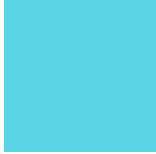
55.4734, 0.2487, 0.3765

Protanopia

54.2972, 0.3362, 0.3547

Deuteranopia

54.5416, 0.3304, 0.3244



Tritanopia

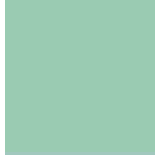
55.4255, 0.2332, 0.3063

Trichromacy



Original Color

55.4734, 0.2487, 0.3765



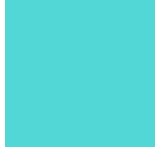
Protanomaly

52.7962, 0.2934, 0.3627



Deuteranomaly

52.6033, 0.2904, 0.3421



Tritanomaly

55.2498, 0.2385, 0.3302

Monochromacy



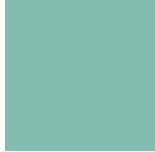
Original Color

55.4734, 0.2487, 0.3765



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.0876, 0.2788, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4734, 0.2487, 0.3765 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(69, 219, 186)` looks like.

```
.text, #text, p{  
    color:rgb(69, 219, 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(69, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 219, 186) }
```

Border

The CSS property to change the border of an element to Yxy 55.4734, 0.2487, 0.3765 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(69, 219, 186) }
```

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

```
.border{ border-color:rgb(69, 219, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(69, 219,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4734, 0.2487, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 219, 186) }
```

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

```
.background{ background-color: rgb(69, 219,  
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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