

Converting Colors

$Yxy(72.7746, 0.2528, 0.4088)$

Have a look what the booklet for
Yxy(72.7746, 0.2528, 0.4088)
contains.

Yxy(72.9297, 0.2528, 0.4087)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.9297, 0.2528, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	38FABE
RGB	56, 250, 190
RGB Percent	22%, 98%, 75%
CMY	0.7802, 0.0196, 0.2550
CMYK	0.78, 0.00, 0.24, 0.02
HSL	161°, 95%, 60%
HSV	161°, 78%, 98%
XYZ	45.1104, 72.9297, 60.4030
YIQ	185.1540, -96.3640, -59.7880

Conversions

Conversions Part 2

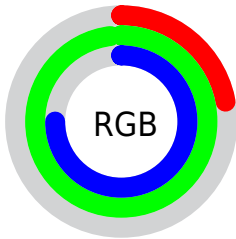
Format	Color
RYB	56, 171, 250
Decimal	3734206
CIELab	88.41, -60.04, 15.69
CIELCh	88, 62.061, 165.356
Yxy	72.9297, 0.2528, 0.4087
Android (android.graphics.Color)	4281924286 (0xFF38FABE)
YUV	185.1540, 2.3891, -113.2681
Hunter-Lab	85.3989, -55.1587, 17.8432

Details

The Yxy color **72.9297, 0.2528, 0.4087** 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 **24.4196, 0.5037, 0.2795**, and the grayscale version is **48.6397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0794, 0.2527, 0.3392**, and **39.5054, 0.2514, 0.4251** is the 20% darker color. If you saturate the color by 10%, you get **72.0532, 0.2523, 0.4206**, and if you desaturate by 10%, it is **74.1891, 0.2553, 0.3967**.

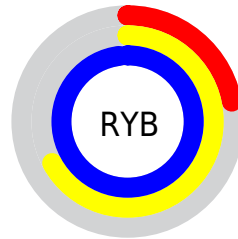
Distribution



Red (22%)

Green (98%)

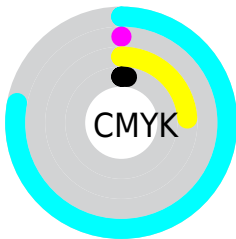
Blue (75%)



Red (22%)

Yellow (67%)

Blue (98%)

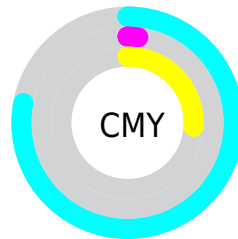


Cyan (78%)

Magenta (0%)

Yellow (24%)

Black (2%)



Cyan (78%)


Magenta (2%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9297, 0.2528, 0.4087 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 72.9297, 0.2528, 0.4087 by changing the saturation by 10% instead.


 72.9297, 0.2528,
0.4087

 72.9297, 0.2528,
0.4087


470.7711, 0.2813,
0.3699


 53.9185, 0.2461,
0.4180


 123.3774, 0.2628,
0.3949

 38.5365, 0.2378,
0.4298


 155.5827, 0.2667,
0.3896

 26.3993, 0.2272,
0.4451


 192.9548, 0.2700,
0.3851

 17.1226, 0.2131,
0.4658

 235.8781, 0.2729,
0.3812

 10.3220, 0.1938,
0.4950

284.7369, 0.2754,
0.3778

 5.6129, 0.1657,
0.5392

339.9158, 0.2776,

 2.6112, 0.1119,

0.3749

0.6196

401.7991, 0.2795,
0.3722

■ 0.9323, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.9297, 0.2528,
0.4087

■ 72.9297, 0.2528,
0.4087

■ 72.0532, 0.2523,
0.4206

■ 74.1891, 0.2553,
0.3967

■ 71.4886, 0.2537,
0.4324


■ 75.8703, 0.2599,
0.3850


■ 71.3769, 0.2542,
0.4352


■ 78.0163, 0.2662,
0.3736

■ 80.6626, 0.2741,
0.3628

 83.8412, 0.2833,
0.3527

 87.5813, 0.2935,
0.3434

 91.9101, 0.3043,
0.3349

 96.6539, 0.3148,
0.3272

 96.8537, 0.3129,
0.3242

Harmonies

Analogous

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



72.9297, 0.3212, 0.4606



72.9297, 0.2528, 0.4087



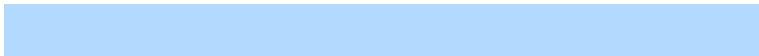
72.9297, 0.2041, 0.3295

Triad

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



72.9297, 0.2528, 0.4087



72.9297, 0.2284, 0.2158



72.9297, 0.4608, 0.3673

Complementary

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



72.9297, 0.2528, 0.4087



24.4196, 0.5037, 0.2795

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.



72.9297, 0.4321, 0.3126



72.9297, 0.2528, 0.4087



72.9297, 0.2896, 0.2301

Square

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



72.9297, 0.2528, 0.4087



72.9297, 0.1926, 0.2254



72.9297, 0.3658, 0.2643



72.9297, 0.4434, 0.4209

Rectangle

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



72.9297, 0.2528, 0.4087



72.9297, 0.1875, 0.2822



72.9297, 0.3658, 0.2643



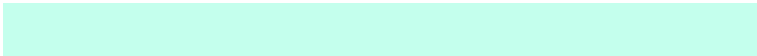
72.9297, 0.4564, 0.3488

Sweetspot

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



72.9326, 0.2528, 0.4087



89.4085, 0.2879, 0.3484



72.4737, 0.3247, 0.5563



18.8448, 0.2842, 0.3518



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

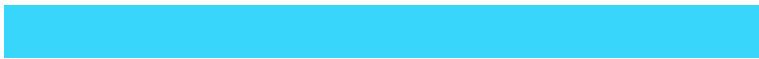
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9326, 0.2528, 0.4087



75.0086, 0.2529, 0.4271



56.0627, 0.2173, 0.2830



19.5118, 0.3022, 0.3364



37.8862, 0.2537, 0.4333



3.5279, 0.2498, 0.4192

Inverse Universe

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



24.4196, 0.5037, 0.2795



22.4472, 0.5572, 0.2885



28.1962, 0.5561, 0.3569



17.3137, 0.3245, 0.3217



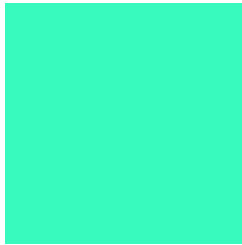
11.0900, 0.5733, 0.2932



1.0453, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 72.9297, 0.2528, 0.4087 looks on a white background.

Color Contrast Check

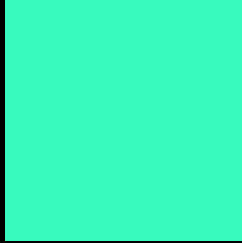
Large Text (above 18pt) WCAG AA × Fail

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 72.9297, 0.2528, 0.4087 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

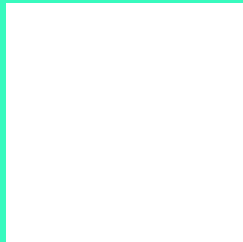
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9297, 0.2528, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 72.9297, 0.2528, 0.4087.

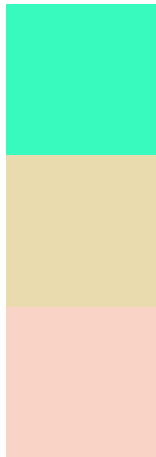


This preview shows how white text looks on a background with the Yxy color 72.9297, 0.2528, 0.4087.

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

72.9297, 0.2528, 0.4087

Protanopia

71.2506, 0.3544, 0.3769

Deuteranopia

71.3039, 0.3509, 0.3437



Tritanopia

72.5066, 0.2413, 0.3088

Trichromacy



Original Color

72.9297, 0.2528, 0.4087



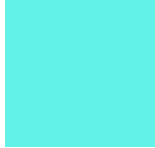
Protanomaly

68.3239, 0.3026, 0.3909



Deuteranomaly

67.9165, 0.3002, 0.3664



Tritanomaly

71.8705, 0.2440, 0.3425

Monochromacy



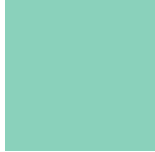
Original Color

72.9297, 0.2528, 0.4087



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.5921, 0.2777, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9297, 0.2528, 0.4087 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(56, 250, 190)` looks like.

```
.text, #text, p{  
    color:rgb(56, 250, 190)  
}
```

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(56, 250, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 250, 190) }
```

Border

The CSS property to change the border of an element to Yxy 72.9297, 0.2528, 0.4087 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(56, 250, 190) }
```

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

```
.border{ border-color:rgb(56, 250, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 250, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 250, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 250, 190);  
box-shadow:4px 4px 4px 4px rgb(56, 250,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9297, 0.2528, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 250, 190) }
```

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

```
.background{ background-color: rgb(56, 250,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor