

Converting Colors

$Y_{xy}(70.7411, 0.2597, 0.4463)$

Have a look what the booklet for
Yxy(70.7411, 0.2597, 0.4463)
contains.

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Color

Yxy(70.7388, 0.2597, 0.4463)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 20F9A4 |
| RGB | 32, 249, 164 |
| RGB Percent | 13%, 98%, 64% |
| CMY | 0.8759, 0.0235, 0.3569 |
| CMYK | 0.87, 0.00, 0.34, 0.02 |
| HSL | 157°, 95%, 55% |
| HSV | 157°, 87%, 98% |
| XYZ | 41.1626, 70.7388, 46.5992 |
| YIQ | 174.4270, -102.0470, -72.4390 |

Conversions

Conversions Part 2

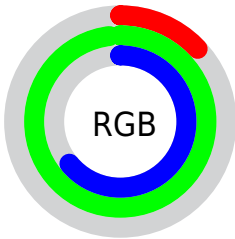
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 32, 167, 249 |
| Decimal | 2161060 |
| CIE Lab | 87.36, -67.22, 27.48 |
| CIE LCh | 87, 72.620, 157.762 |
| Yxy | 70.7388, 0.2597, 0.4463 |
| Android (android.graphics.Color) | 4280351140 (0xFF20F9A4) |
| YUV | 174.4270, -5.1405, -124.9085 |
| Hunter-Lab | 84.1064, -59.8262, 26.0248 |

Details

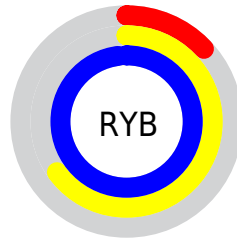
The Yxy color **70.7388, 0.2597, 0.4463** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **22.4328, 0.5091, 0.2670**, and the grayscale version is **42.5700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6994, 0.2604, 0.3723**, and **38.4315, 0.2642, 0.4710** is the 20% darker color. If you saturate the color by 10%, you get **70.1452, 0.2618, 0.4612**, and if you desaturate by 10%, it is **71.6622, 0.2595, 0.4310**.

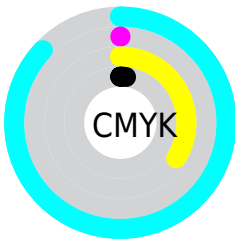
Distribution



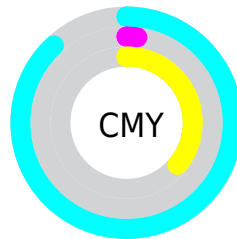
- Red (13%)
- Green (98%)
- Blue (64%)



- Red (13%)
- Yellow (65%)
- Blue (98%)



- Cyan (87%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)





- Cyan (88%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7388, 0.2597, 0.4463 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 70.7388, 0.2597, 0.4463 by changing the saturation by 10% instead.


 70.7388, 0.2597,
0.4463

 70.7388, 0.2597,
0.4463


463.1398, 0.2863,
0.3876


 52.1291, 0.2531,
0.4608


 120.2617, 0.2693,
0.4251

 37.1080, 0.2447,
0.4792


 151.9437, 0.2730,
0.4171

 25.2911, 0.2336,
0.5035

 188.7519, 0.2760,
0.4103

 16.2941, 0.2185,
0.5366

 231.0707, 0.2787,
0.4045

 9.7325, 0.1968,
0.5840

 279.2845, 0.2810,
0.3994

 5.2219, 0.1636,
0.6558

333.7777, 0.2830,

 2.3781, 0.0679,

0.3950

0.8697

394.9347, 0.2847,
0.3911

■ 0.8146, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.7388, 0.2597,
0.4463

■ 70.7388, 0.2597,
0.4463

■ 70.1452, 0.2618,
0.4612


■ 71.6622, 0.2595,
0.4310

■ 70.0146, 0.2626,
0.4652


■ 72.9678, 0.2614,
0.4155


■ 74.7053, 0.2653,
0.4003


■ 76.9148, 0.2710,
0.3857

 79.6314, 0.2782,
0.3718

 82.8871, 0.2865,
0.3588

 86.7111, 0.2957,
0.3469

 91.1302, 0.3054,
0.3362

 96.0265, 0.3150,
0.3265

Harmonies

Analogous

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



70.7388, 0.3411, 0.4920



70.7388, 0.2597, 0.4463



70.7388, 0.1974, 0.3522

Triad

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



70.7388, 0.2597, 0.4463



70.7388, 0.2019, 0.1989



70.7388, 0.4836, 0.3537

Complementary

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



70.7388, 0.2597, 0.4463



22.4328, 0.5091, 0.2670

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.



70.7388, 0.4370, 0.2934



70.7388, 0.2597, 0.4463



70.7388, 0.2645, 0.2092

Square

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



70.7388, 0.2597, 0.4463



70.7388, 0.1696, 0.2160



70.7388, 0.3514, 0.2425



70.7388, 0.4738, 0.4166

Rectangle

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



70.7388, 0.2597, 0.4463



70.7388, 0.1737, 0.2916



70.7388, 0.3514, 0.2425



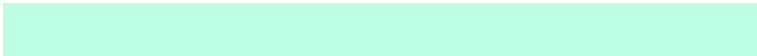
70.7388, 0.4742, 0.3330

Sweetspot

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



70.7416, 0.2597, 0.4463



87.9613, 0.2877, 0.3573



71.7557, 0.3297, 0.5675



18.5524, 0.2846, 0.3616



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.



70.7416, 0.2597, 0.4463



73.8951, 0.2626, 0.4654



62.2318, 0.2188, 0.3010



19.4868, 0.3033, 0.3384



37.5015, 0.2619, 0.4628



3.4941, 0.2570, 0.4450

Inverse Universe

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



22.4328, 0.5091, 0.2670



22.1752, 0.5463, 0.2783



22.8256, 0.6058, 0.3404



17.3376, 0.3232, 0.3198



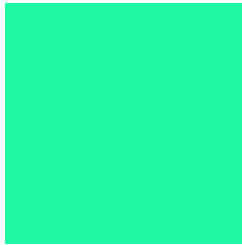
11.2724, 0.5418, 0.2758



1.0642, 0.5099, 0.2582

Previews

White Background



This preview shows how the Yxy color 70.7388, 0.2597, 0.4463 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 70.7388, 0.2597, 0.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

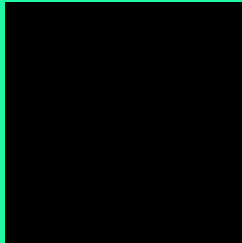
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7388, 0.2597, 0.4463

Background



This preview shows how black text looks on a background with the Yxy color 70.7388, 0.2597, 0.4463.



This preview shows how white text looks on a background with the Yxy color 70.7388, 0.2597, 0.4463.

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

70.7388, 0.2597, 0.4463

Protanopia

69.3201, 0.3726, 0.4020

Deuteranopia

69.0115, 0.3741, 0.3656



Tritanopia

70.6132, 0.2341, 0.3072

Trichromacy



Original Color

70.7388, 0.2597, 0.4463



Protanomaly

65.8788, 0.3115, 0.4237



Deuteranomaly

64.5619, 0.3117, 0.3955



Tritanomaly

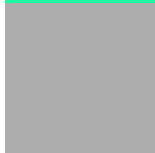
69.7210, 0.2412, 0.3532

Monochromacy



Original Color

70.7388, 0.2597, 0.4463



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

48.8131, 0.2771, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7388, 0.2597, 0.4463 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(32, 249, 164)` looks like.

```
.text, #text, p{  
    color:rgb(32, 249, 164)  
}
```

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(32, 249, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 249, 164) }
```

Border

The CSS property to change the border of an element to Yxy 70.7388, 0.2597, 0.4463 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(32, 249, 164) }
```

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

```
.border{ border-color:rgb(32, 249, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 249, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 249, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 249, 164);  
box-shadow:4px 4px 4px 4px rgb(32, 249,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7388, 0.2597, 0.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 249, 164) }
```

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

```
.background{ background-color: rgb(32, 249,  
164) }
```

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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