

Converting Colors

$Yxy(74.8513, 0.2488, 0.3443)$

Have a look what the booklet for
Yxy(74.8513, 0.2488, 0.3443)
contains.

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Color

Yxy(74.6328, 0.2487, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	70F5E9
RGB	112, 245, 233
RGB Percent	44%, 96%, 91%
CMY	0.5604, 0.0392, 0.0863
CMYK	0.54, 0.00, 0.05, 0.04
HSL	175°, 87%, 70%
HSV	175°, 54%, 96%
XYZ	54.0512, 74.6328, 88.6509
YIQ	203.8650, -75.4160, -31.9280

Conversions

Conversions Part 2

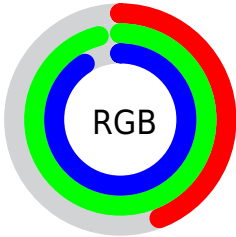
Format	Color
R_{YB}	112, 182, 245
Decimal	7402985
CIE _{Lab}	89.22, -39.29, -5.34
CIE _{LCh}	89, 39.652, 187.739
Yxy	74.6328, 0.2487, 0.3434
Android (android.graphics.Color)	4285593065 (0xFF70F5E9)
YUV	203.8650, 14.3636, -80.5656
Hunter-Lab	86.3903, -39.5022, -0.3683

Details

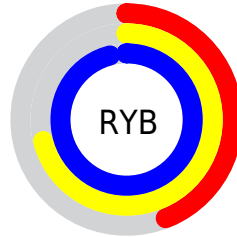
The Yxy color **74.6328, 0.2487, 0.3434** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.4774, 0.4597, 0.3170**, and the grayscale version is **60.2532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **39.5721, 0.2344, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **73.1143, 0.2418, 0.3465**, and if you desaturate by 10%, it is **76.5959, 0.2574, 0.3404**.

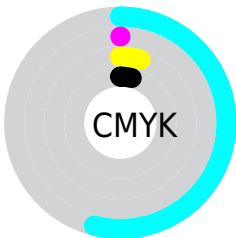
Distribution



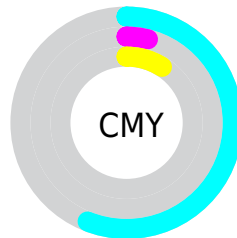
- Red (44%)
- Green (96%)
- Blue (91%)



- Red (44%)
- Yellow (71%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (56%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6328, 0.2487, 0.3434 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 74.6328, 0.2487, 0.3434 by changing the saturation by 10% instead.


 74.6328, 0.2487,
0.3434

 74.6328, 0.2487,
0.3434


476.6545, 0.2777,
0.3373


 55.3121, 0.2422,
0.3447

 125.7924, 0.2586,
0.3414

 39.6517, 0.2343,
0.3462


 158.4002, 0.2625,
0.3406

 27.2671, 0.2245,
0.3479


 196.2057, 0.2659,
0.3399

 17.7739, 0.2118,
0.3501

239.5935, 0.2689,
0.3392

 10.7878, 0.1951,
0.3526

288.9479, 0.2715,
0.3387

 5.9243, 0.1720,
0.3556

344.6532, 0.2738,

 2.7991, 0.1388,

0.3381

407.0940, 0.2759,
0.3377

0.3585

1.0278, 0.0042,
0.3919

0.0000, 0.0000,
0.0000

74.6328, 0.2487,
0.3434

74.6328, 0.2487,
0.3434

73.1143, 0.2418,
0.3465

76.5959, 0.2574,
0.3404

71.9953, 0.2369,
0.3496

79.0272, 0.2679,
0.3375


71.2365, 0.2340,
0.3527


81.9589, 0.2797,
0.3348

70.7863, 0.2328,
0.3558

85.4177, 0.2927,
0.3323

 70.6234, 0.2327,
0.3575

 89.4287, 0.3066,
0.3299

 93.2315, 0.3184,
0.3278

 93.3682, 0.3171,
0.3257

 93.5066, 0.3157,
0.3235

 93.6465, 0.3144,
0.3214

Harmonies

Analogous

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



74.6328, 0.2862, 0.3879



74.6328, 0.2487, 0.3434



74.6328, 0.2286, 0.2982

Triad

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



74.6328, 0.2487, 0.3434



74.6328, 0.2873, 0.2585



74.6328, 0.4030, 0.3845

Complementary

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



74.6328, 0.2487, 0.3434



32.4774, 0.4597, 0.3170

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.



74.6328, 0.4048, 0.3485



74.6328, 0.2487, 0.3434



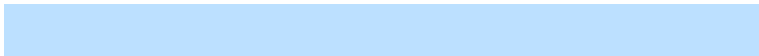
74.6328, 0.3350, 0.2791

Square

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



74.6328, 0.2487, 0.3434



74.6328, 0.2495, 0.2535



74.6328, 0.3793, 0.3110



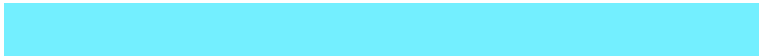
74.6328, 0.3758, 0.4097

Rectangle

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



74.6328, 0.2487, 0.3434



74.6328, 0.2266, 0.2751



74.6328, 0.3793, 0.3110



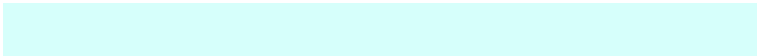
74.6328, 0.4067, 0.3732

Sweetspot

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



74.6357, 0.2487, 0.3434



92.8315, 0.2903, 0.3327



70.8621, 0.3113, 0.5002



19.6968, 0.2876, 0.3332



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.



74.6357, 0.2487, 0.3434



79.9504, 0.2413, 0.3468



47.6692, 0.2294, 0.2604



18.7305, 0.2993, 0.3311



38.0591, 0.2325, 0.3570



3.3524, 0.2314, 0.3532

Inverse Universe

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



32.4774, 0.4597, 0.3170



29.4500, 0.5083, 0.3162



47.5850, 0.4384, 0.3857



16.5068, 0.3279, 0.3269



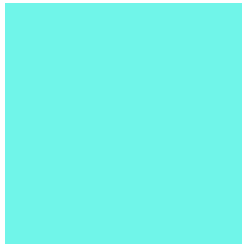
10.4977, 0.6300, 0.3244



0.9307, 0.6083, 0.3125

Previews

White Background



This preview shows how the Yxy color 74.6328, 0.2487, 0.3434 looks on a white background.

Color Contrast Check

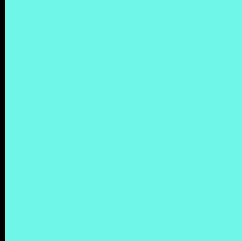
Large Text (above 18pt) WCAG AA × Fail

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 74.6328, 0.2487, 0.3434 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 74.6328, 0.2487, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 74.6328, 0.2487, 0.3434.

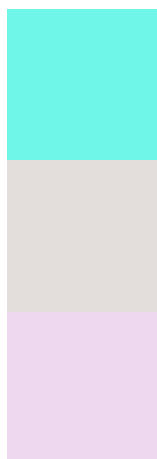


This preview shows how white text looks on a background with the Yxy color 74.6328, 0.2487, 0.3434.

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

74.6328, 0.2487, 0.3434

Protanopia

73.6879, 0.3182, 0.3322

Deuteranopia

73.3483, 0.3124, 0.3053



Tritanopia

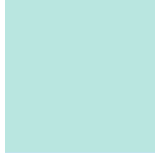
74.2087, 0.2499, 0.3093

Trichromacy



Original Color

74.6328, 0.2487, 0.3434



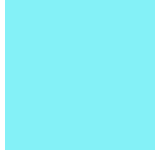
Protanomaly

72.2897, 0.2869, 0.3358



Deuteranomaly

72.2591, 0.2836, 0.3177



Tritanomaly

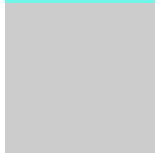
74.5315, 0.2494, 0.3218

Monochromacy



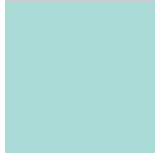
Original Color

74.6328, 0.2487, 0.3434



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.2273, 0.2826, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6328, 0.2487, 0.3434 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(112, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(112, 245, 233)  
}
```

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(112, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 245, 233) }
```

Border

The CSS property to change the border of an element to Yxy 74.6328, 0.2487, 0.3434 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(112, 245, 233) }
```

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

```
.border{ border-color:rgb(112, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(112, 245,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6328, 0.2487, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 245, 233) }
```

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

```
.background{ background-color: rgb(112,  
245, 233) }
```

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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