

Converting Colors

$Yxy(70.0469, 0.2608, 0.4091)$

Have a look what the booklet for
Yxy(70.0469, 0.2608, 0.4091)
contains.

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Color

Yxy(70.0469, 0.2608, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	54F4B8
RGB	84, 244, 184
RGB Percent	33%, 96%, 72%
CMY	0.6709, 0.0431, 0.2784
CMYK	0.66, 0.00, 0.25, 0.04
HSL	158°, 88%, 64%
HSV	158°, 66%, 96%
XYZ	44.6547, 70.0469, 56.5204
YIQ	189.3200, -76.1000, -52.5800

Conversions

Conversions Part 2

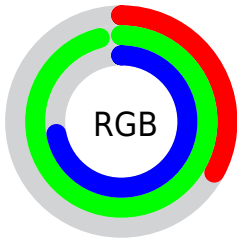
Format	Color
RYB	84, 182, 244
Decimal	5567672
CIELab	87.02, -55.35, 16.89
CIELCh	87, 57.871, 163.036
Yxy	70.0469, 0.2608, 0.4091
Android (android.graphics.Color)	4283757752 (0xFF54F4B8)
YUV	189.3200, -2.6228, -92.3656
Hunter-Lab	83.6940, -51.2264, 18.5460

Details

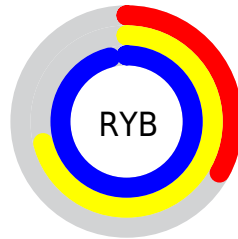
The Yxy color **70.0469, 0.2608, 0.4091** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **27.5762, 0.4445, 0.2694**, and the grayscale version is **51.1209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2008, 0.2625, 0.3459**, and **37.1793, 0.2527, 0.4296** is the 20% darker color. If you saturate the color by 10%, you get **68.7428, 0.2584, 0.4238**, and if you desaturate by 10%, it is **71.7732, 0.2652, 0.3947**.

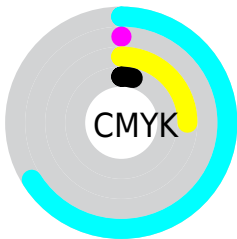
Distribution



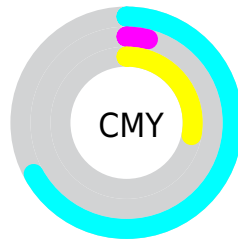
- Red (33%)
- Green (96%)
- Blue (72%)



- Red (33%)
- Yellow (71%)
- Blue (96%)



- Cyan (66%)
- Magenta (0%)
- Yellow (25%)
- Black (4%)





- Cyan (67%)
- Magenta (4%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0469, 0.2608, 0.4091 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 70.0469, 0.2608, 0.4091 by changing the saturation by 10% instead.


 70.0469, 0.2608,
0.4091


 70.0469, 0.2608,
0.4091

460.7147, 0.2859,
0.3698

 51.5648, 0.2548,
0.4187

 119.2756, 0.2697,
0.3950

 36.6583, 0.2473,
0.4308


 150.7910, 0.2731,
0.3896

 24.9430, 0.2376,
0.4467


 187.4196, 0.2760,
0.3851

 16.0346, 0.2246,
0.4682

 229.5459, 0.2785,
0.3812

 9.5486, 0.2064,
0.4991

277.5541, 0.2807,
0.3778

 5.1007, 0.1793,
0.5465


331.8287, 0.2826,


 2.3065, 0.1215,


0.3748


0.6376


392.7541, 0.2843,
0.3721

 0.7771, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.0469, 0.2608,
0.4091


 70.0469, 0.2608,
0.4091


 68.7428, 0.2584,
0.4238


 71.7732, 0.2652,
0.3947

 67.8094, 0.2581,
0.4385


 73.9503, 0.2713,
0.3808


 67.1960, 0.2597,
0.4529


 76.6141, 0.2788,
0.3677


 66.9920, 0.2609,
0.4591

 79.7943, 0.2875,
0.3555

 83.5180, 0.2970,
0.3443

 87.8108, 0.3070,
0.3342

 92.6963, 0.3172,
0.3251

 93.1868, 0.3132,
0.3185

Harmonies

Analogous

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



70.0469, 0.3267, 0.4545



70.0469, 0.2608, 0.4091



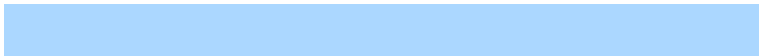
70.0469, 0.2123, 0.3356

Triad

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



70.0469, 0.2608, 0.4091



70.0469, 0.2291, 0.2209



70.0469, 0.4523, 0.3622

Complementary

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



70.0469, 0.2608, 0.4091



27.5762, 0.4445, 0.2694

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.



70.0469, 0.4217, 0.3099



70.0469, 0.2608, 0.4091



70.0469, 0.2858, 0.2329

Square

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



70.0469, 0.2608, 0.4091



70.0469, 0.1966, 0.2324



70.0469, 0.3575, 0.2644



70.0469, 0.4396, 0.4135

Rectangle

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



70.0469, 0.2608, 0.4091



70.0469, 0.1947, 0.2899



70.0469, 0.3575, 0.2644



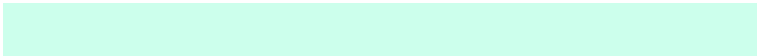
70.0469, 0.4469, 0.3445

Sweetspot

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



70.0497, 0.2608, 0.4091



90.4068, 0.2927, 0.3492



71.3923, 0.3339, 0.5218



19.1058, 0.2900, 0.3523



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.



70.0497, 0.2608, 0.4091



75.5667, 0.2580, 0.4291



62.4447, 0.2297, 0.3052



18.6463, 0.3031, 0.3380



36.4509, 0.2602, 0.4568



3.2236, 0.2553, 0.4389

Inverse Universe

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



27.5762, 0.4445, 0.2694



25.4430, 0.4885, 0.2673



29.4964, 0.5145, 0.3471



16.5853, 0.3235, 0.3202



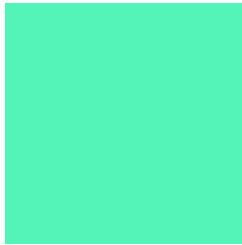
10.8972, 0.5481, 0.2793



0.9770, 0.5141, 0.2606

Previews

White Background



This preview shows how the Yxy color 70.0469, 0.2608, 0.4091 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 70.0469, 0.2608, 0.4091 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 70.0469, 0.2608, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 70.0469, 0.2608, 0.4091.

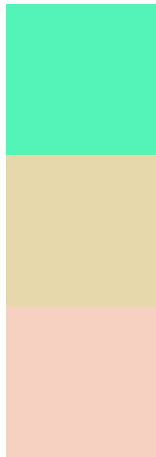


This preview shows how white text looks on a background with the Yxy color 70.0469, 0.2608, 0.4091.

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

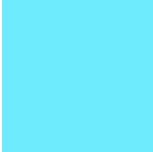
70.0469, 0.2608, 0.4091

Protanopia

68.8370, 0.3557, 0.3799

Deuteranopia

68.5104, 0.3539, 0.3460



Tritanopia

69.9519, 0.2370, 0.3061

Trichromacy



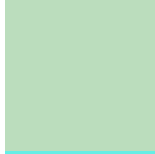
Original Color

70.0469, 0.2608, 0.4091



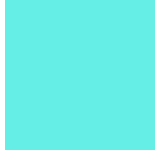
Protanomaly

66.8350, 0.3111, 0.3919



Deuteranomaly

65.9518, 0.3095, 0.3676



Tritanomaly

69.5729, 0.2448, 0.3401

Monochromacy



Original Color

70.0469, 0.2608, 0.4091



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.7681, 0.2860, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0469, 0.2608, 0.4091 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(84, 244, 184)` looks like.

```
.text, #text, p{  
    color:rgb(84, 244, 184)  
}
```

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(84, 244, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 244, 184) }
```

Border

The CSS property to change the border of an element to Yxy 70.0469, 0.2608, 0.4091 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(84, 244, 184) }
```

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

```
.border{ border-color:rgb(84, 244, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 244, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 244, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 244, 184);  
box-shadow:4px 4px 4px 4px rgb(84, 244,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0469, 0.2608, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 244, 184) }
```

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

```
.background{ background-color: rgb(84, 244,  
184) }
```

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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