

Converting Colors

$Y_{xy}(68.2323, 0.2515, 0.4083)$

Have a look what the booklet for
Yxy(68.2323, 0.2515, 0.4083)
contains.

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Color

Yxy(68.2323, 0.2515, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	30F3B9
RGB	48, 243, 185
RGB Percent	19%, 95%, 73%
CMY	0.8114, 0.0471, 0.2745
CMYK	0.80, 0.00, 0.24, 0.05
HSL	162°, 89%, 57%
HSV	162°, 80%, 95%
XYZ	42.0290, 68.2323, 56.8519
YIQ	178.0830, -97.6020, -59.3780

Conversions

Conversions Part 2

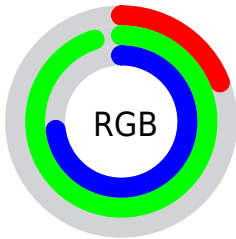
Format	Color
RYB	48, 163, 243
Decimal	3208121
CIELab	86.12, -59.26, 15.02
CIELCh	86, 61.132, 165.773
Yxy	68.2323, 0.2515, 0.4083
Android (android.graphics.Color)	4281398201 (0xFF30F3B9)
YUV	178.0830, 3.4101, -114.0828
Hunter-Lab	82.6028, -53.7328, 17.0153

Details

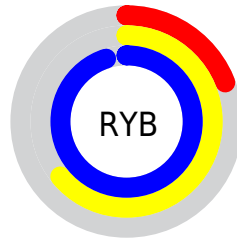
The Yxy color **68.2323, 0.2515, 0.4083** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **22.2186, 0.5165, 0.2825**, and the grayscale version is **44.6022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3829, 0.2530, 0.3451**, and **36.7838, 0.2517, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **67.4983, 0.2514, 0.4197**, and if you desaturate by 10%, it is **69.3104, 0.2536, 0.3969**.

Distribution



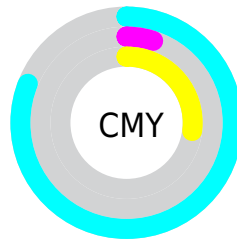
- Red (19%)
- Green (95%)
- Blue (73%)



- Red (19%)
- Yellow (64%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (24%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2323, 0.2515, 0.4083 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 68.2323, 0.2515, 0.4083 by changing the saturation by 10% instead.


 68.2323, 0.2515,
0.4083

 68.2323, 0.2515,
0.4083


454.3186, 0.2809,
0.3693

 50.0867, 0.2445,
0.4178


 116.6844, 0.2619,
0.3943


 35.4823, 0.2358,
0.4299


 147.7597, 0.2659,
0.3890

 24.0347, 0.2246,
0.4457

 183.9138, 0.2693,
0.3845

 15.3593, 0.2096,
0.4671

 225.5310, 0.2723,
0.3806

 9.0720, 0.1889,
0.4979

272.9956, 0.2748,
0.3772

 4.7881, 0.1584,
0.5453

326.6922, 0.2771,

 2.1235, 0.0765,

0.3742

0.6501

387.0051, 0.2791,
0.3716

0.6778, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.2323, 0.2515,
0.4083

68.2323, 0.2515,
0.4083

67.4983, 0.2514,
0.4197


69.3104, 0.2536,
0.3969

67.0301, 0.2530,
0.4307


70.7711, 0.2577,
0.3855


72.6559, 0.2637,
0.3746


74.9990, 0.2714,
0.3641

 77.8309, 0.2804,
0.3542

 81.1795, 0.2904,
0.3451

 85.0705, 0.3012,
0.3367

 89.5278, 0.3125,
0.3292

 92.2689, 0.3162,
0.3222

Harmonies

Analogous

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



68.2323, 0.3201, 0.4613



68.2323, 0.2515, 0.4083



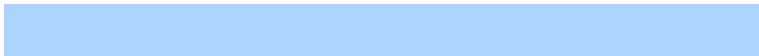
68.2323, 0.2030, 0.3284

Triad

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



68.2323, 0.2515, 0.4083



68.2323, 0.2285, 0.2152



68.2323, 0.4618, 0.3682

Complementary

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



68.2323, 0.2515, 0.4083



22.2186, 0.5165, 0.2825

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.



68.2323, 0.4336, 0.3131



68.2323, 0.2515, 0.4083



68.2323, 0.2904, 0.2299

Square

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



68.2323, 0.2515, 0.4083



68.2323, 0.1922, 0.2244



68.2323, 0.3672, 0.2645



68.2323, 0.4437, 0.4221

Rectangle

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



68.2323, 0.2515, 0.4083



68.2323, 0.1865, 0.2809



68.2323, 0.3672, 0.2645



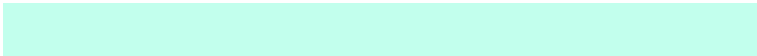
68.2323, 0.4577, 0.3496

Sweetspot

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



68.2350, 0.2515, 0.4083



89.0649, 0.2865, 0.3485



67.4146, 0.3222, 0.5627



18.7809, 0.2829, 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.



68.2350, 0.2515, 0.4083



74.9695, 0.2523, 0.4265



50.2963, 0.2146, 0.2767



18.6689, 0.3020, 0.3361



36.8131, 0.2525, 0.4289



3.2535, 0.2486, 0.4148

Inverse Universe

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



22.2186, 0.5165, 0.2825



22.1067, 0.5705, 0.2939



26.0971, 0.5628, 0.3590



16.5637, 0.3247, 0.3220



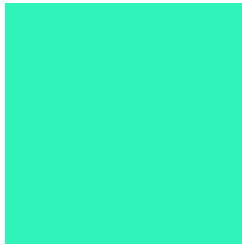
10.7375, 0.5773, 0.2954



0.9611, 0.5418, 0.2759

Previews

White Background



This preview shows how the Yxy color 68.2323, 0.2515, 0.4083 looks on a white background.

Color Contrast Check

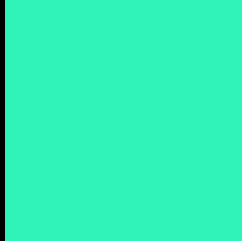
Large Text (above 18pt) WCAG AA × Fail

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 68.2323, 0.2515, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

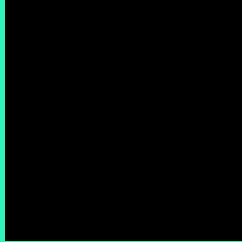
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2323, 0.2515, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 68.2323, 0.2515, 0.4083.



This preview shows how white text looks on a background with the Yxy color 68.2323, 0.2515, 0.4083.

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

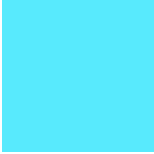
68.2323, 0.2515, 0.4083

Protanopia

66.8217, 0.3541, 0.3772

Deuteranopia

66.6936, 0.3496, 0.3431



Tritanopia

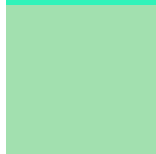
68.0122, 0.2300, 0.3056

Trichromacy



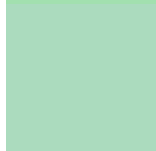
Original Color

68.2323, 0.2515, 0.4083



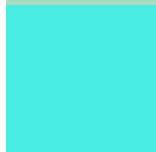
Protanomaly

64.0878, 0.3011, 0.3915



Deuteranomaly

63.0387, 0.2979, 0.3652



Tritanomaly

67.5863, 0.2369, 0.3403

Monochromacy



Original Color

68.2323, 0.2515, 0.4083



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.4025, 0.2761, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2323, 0.2515, 0.4083 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(48, 243, 185)` looks like.

```
.text, #text, p{  
    color:rgb(48, 243, 185)  
}
```

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(48, 243, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 243, 185) }
```

Border

The CSS property to change the border of an element to Yxy 68.2323, 0.2515, 0.4083 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(48, 243, 185) }
```

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

```
.border{ border-color:rgb(48, 243, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 243, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 243, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 243, 185);  
box-shadow:4px 4px 4px 4px rgb(48, 243,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2323, 0.2515, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 243, 185) }
```

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

```
.background{ background-color: rgb(48, 243,  
185) }
```

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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