

Converting Colors

$Yxy(66.3526, 0.2764, 0.4085)$

Have a look what the booklet for
Yxy(66.3526, 0.2764, 0.4085)
contains.

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Color

Yxy(66.3634, 0.2768, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	76EBAF
RGB	118, 235, 175
RGB Percent	46%, 92%, 69%
CMY	0.5371, 0.0784, 0.3136
CMYK	0.50, 0.00, 0.26, 0.08
HSL	149°, 75%, 69%
HSV	149°, 50%, 92%
XYZ	44.9239, 66.3634, 51.0101
YIQ	193.1770, -50.4720, -43.4640

Conversions

Conversions Part 2

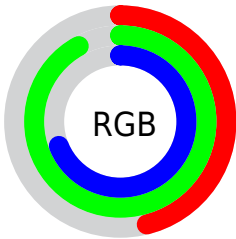
Format	Color
RYB	118, 197, 235
Decimal	7793583
CIELab	85.18, -46.65, 19.12
CIELCh	85, 50.415, 157.714
Yxy	66.3634, 0.2768, 0.4089
Android (android.graphics.Color)	4285983663 (0xFF76EBAF)
YUV	193.1770, -8.9613, -65.9302
Hunter-Lab	81.4637, -44.1261, 19.8991

Details

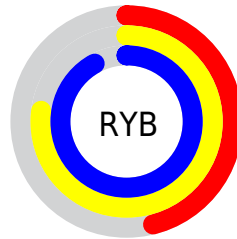
The Yxy color **66.3634, 0.2768, 0.4089** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **33.8457, 0.3790, 0.2629**, and the grayscale version is **53.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5196, 0.2798, 0.3556**, and **34.1158, 0.2669, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **64.4672, 0.2726, 0.4287**, and if you desaturate by 10%, it is **68.7171, 0.2825, 0.3900**.

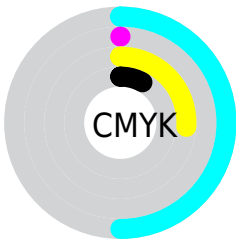
Distribution



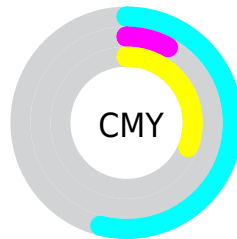
- Red (46%)
- Green (92%)
- Blue (69%)



- Red (46%)
- Yellow (77%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)




- Cyan (54%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3634, 0.2768, 0.4089 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 66.3634, 0.2768, 0.4089 by changing the saturation by 10% instead.


 66.3634, 0.2768,
0.4089


 66.3634, 0.2768,
0.4089


447.6754, 0.2947,
0.3693


 48.5675, 0.2724,
0.4187


 114.0078, 0.2833,
0.3946

 34.2765, 0.2668,
0.4311


 144.6250, 0.2857,
0.3892

 23.1061, 0.2593,
0.4475


 180.2847, 0.2878,
0.3846

 14.6719, 0.2491,
0.4700

221.3714, 0.2895,
0.3807

 8.5894, 0.2343,
0.5027

268.2694, 0.2911,
0.3772

 4.4744, 0.2109,
0.5538


321.3631, 0.2924,

 1.9423, 0.1585,


0.3743


0.6711


381.0370, 0.2936,
0.3716


 0.5736, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 66.3634, 0.2768,
0.4089


 66.3634, 0.2768,
0.4089

 64.4672, 0.2726,
0.4287


 68.7171, 0.2825,
0.3900


 62.9883, 0.2701,
0.4490


 71.5490, 0.2892,
0.3725


 61.8927, 0.2696,
0.4692


 74.8883, 0.2967,
0.3563

 61.1373, 0.2711,
0.4888

 78.7594, 0.3047,
0.3418

 60.6510, 0.2743,
0.5072

 83.1850, 0.3129,
0.3287

 60.6409, 0.2743,
0.5076

 87.4108, 0.3184,
0.3170

 87.8950, 0.3136,
0.3097

Harmonies

Analogous

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



66.3634, 0.3371, 0.4420



66.3634, 0.2768, 0.4089



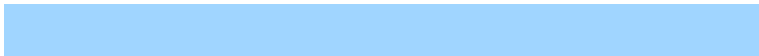
66.3634, 0.2291, 0.3472

Triad

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



66.3634, 0.2768, 0.4089



66.3634, 0.2308, 0.2319



66.3634, 0.4346, 0.3517

Complementary

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



66.3634, 0.2768, 0.4089



33.8457, 0.3790, 0.2629

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.



66.3634, 0.4008, 0.3046



66.3634, 0.2768, 0.4089



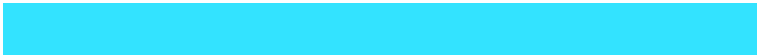
66.3634, 0.2787, 0.2389

Square

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



66.3634, 0.2768, 0.4089



66.3634, 0.2053, 0.2471



66.3634, 0.3414, 0.2648



66.3634, 0.4308, 0.3985

Rectangle

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



66.3634, 0.2768, 0.4089



66.3634, 0.2098, 0.3052



66.3634, 0.3414, 0.2648



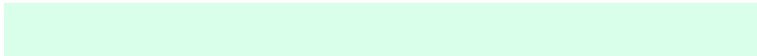
66.3634, 0.4273, 0.3356

Sweetspot

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



66.3661, 0.2768, 0.4089



92.2538, 0.3004, 0.3493



70.2452, 0.3437, 0.4693



19.5390, 0.2988, 0.3524



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.



66.3661, 0.2768, 0.4089



77.5007, 0.2724, 0.4297



69.1560, 0.2486, 0.3312



16.9845, 0.3050, 0.3413



33.7760, 0.2736, 0.5048



2.6716, 0.2664, 0.4790

Inverse Universe

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



33.8457, 0.3790, 0.2629



34.0769, 0.4006, 0.2515



31.9864, 0.4516, 0.3273



15.1830, 0.3213, 0.3170



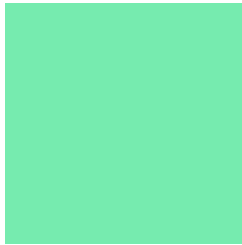
10.6174, 0.4902, 0.2474



0.8532, 0.4604, 0.2310

Previews

White Background



This preview shows how the Yxy color 66.3634, 0.2768, 0.4089 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 66.3634, 0.2768, 0.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

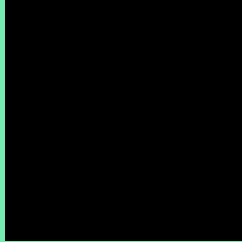
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3634, 0.2768, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 66.3634, 0.2768, 0.4089.



This preview shows how white text looks on a background with the Yxy color 66.3634, 0.2768, 0.4089.

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

66.3634, 0.2768, 0.4089

Protanopia

65.2764, 0.3574, 0.3821

Deuteranopia

64.9665, 0.3596, 0.3518



Tritanopia

66.2427, 0.2497, 0.3072

Trichromacy



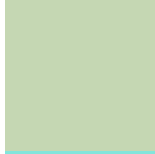
Original Color

66.3634, 0.2768, 0.4089



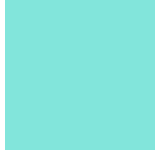
Protanomaly

64.4527, 0.3225, 0.3929



Deuteranomaly

63.7259, 0.3239, 0.3722



Tritanomaly

65.8989, 0.2591, 0.3414

Monochromacy



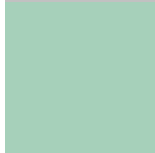
Original Color

66.3634, 0.2768, 0.4089



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.7639, 0.2968, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3634, 0.2768, 0.4089 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(118, 235, 175)` looks like.

```
.text, #text, p{  
    color:rgb(118, 235, 175)  
}
```

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(118, 235, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 235, 175) }
```

Border

The CSS property to change the border of an element to Yxy 66.3634, 0.2768, 0.4089 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(118, 235, 175) }
```

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

```
.border{ border-color:rgb(118, 235, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 235, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 235, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 235, 175);  
box-shadow:4px 4px 4px 4px rgb(118, 235,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3634, 0.2768, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 235, 175) }
```

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

```
.background{ background-color: rgb(118,  
235, 175) }
```

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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