

Converting Colors

$Yxy(66.8699, 0.2829, 0.4266)$

Have a look what the booklet for
Yxy(66.8699, 0.2829, 0.4266)
contains.

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Color

Yxy(67.1003, 0.2826, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	76EDA4
RGB	118, 237, 164
RGB Percent	46%, 93%, 64%
CMY	0.5375, 0.0705, 0.3568
CMYK	0.50, 0.00, 0.31, 0.07
HSL	143°, 77%, 70%
HSV	143°, 50%, 93%
XYZ	44.4504, 67.1003, 45.7402
YIQ	193.0970, -47.4910, -47.9310

Conversions

Conversions Part 2

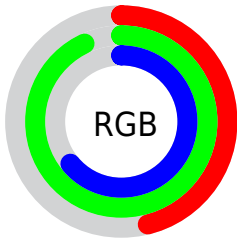
Format	Color
RYB	118, 204, 237
Decimal	7794084
CIELab	85.55, -49.63, 25.31
CIELCh	86, 55.710, 152.983
Yxy	67.1003, 0.2826, 0.4266
Android (android.graphics.Color)	4285984164 (0xFF76EDA4)
YUV	193.0970, -14.3448, -65.8601
Hunter-Lab	81.9148, -46.4892, 24.2335

Details

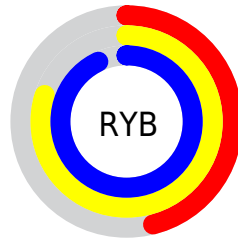
The Yxy color **67.1003, 0.2826, 0.4266** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.7050, 0.3660, 0.2501**, and the grayscale version is **53.4875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8646, 0.2859, 0.3695**, and **34.6531, 0.2731, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **65.1528, 0.2793, 0.4505**, and if you desaturate by 10%, it is **69.5299, 0.2872, 0.4037**.

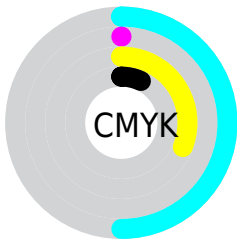
Distribution



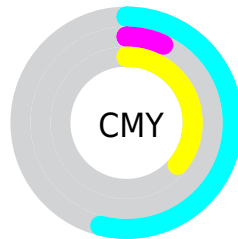
- Red (46%)
- Green (93%)
- Blue (64%)



- Red (46%)
- Yellow (80%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (54%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1003, 0.2826, 0.4266 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 67.1003, 0.2826, 0.4266 by changing the saturation by 10% instead.


 67.1003, 0.2826,
0.4266


 67.1003, 0.2826,
0.4266

450.3017, 0.2982,
0.3779


 49.1661, 0.2786,
0.4387


 115.0641, 0.2884,
0.4090

 34.7513, 0.2734,
0.4540


 145.8626, 0.2905,
0.4023

 23.4714, 0.2663,
0.4743


 181.7179, 0.2923,
0.3967

 14.9419, 0.2564,
0.5021

223.0145, 0.2938,
0.3918

 8.7786, 0.2415,
0.5424

270.1368, 0.2952,
0.3877

 4.5971, 0.2171,
0.6047

323.4692, 0.2963,

 2.0129, 0.1671,

0.3840

0.7913

383.3960, 0.2973,
0.3808

0.6149, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.1003, 0.2826,
0.4266

67.1003, 0.2826,
0.4266

65.1528, 0.2793,
0.4505

69.5299, 0.2872,
0.4037

63.6454, 0.2776,
0.4746

72.4640, 0.2929,
0.3823

62.5423, 0.2777,
0.4981


75.9330, 0.2991,
0.3627


61.7977, 0.2797,
0.5201

79.9627, 0.3058,
0.3451

 61.3434, 0.2831,
0.5392

 84.5773, 0.3126,
0.3294

 88.8120, 0.3159,
0.3153

 89.0553, 0.3135,
0.3117

Harmonies

Analogous

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



67.1003, 0.3491, 0.4555



67.1003, 0.2826, 0.4266



67.1003, 0.2277, 0.3602

Triad

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



67.1003, 0.2826, 0.4266



67.1003, 0.2173, 0.2242



67.1003, 0.4437, 0.3444

Complementary

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



67.1003, 0.2826, 0.4266



34.7050, 0.3660, 0.2501

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.



67.1003, 0.4007, 0.2944



67.1003, 0.2826, 0.4266



67.1003, 0.2655, 0.2285

Square

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



67.1003, 0.2826, 0.4266



67.1003, 0.1940, 0.2441



67.1003, 0.3326, 0.2535



67.1003, 0.4454, 0.3959

Rectangle

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



67.1003, 0.2826, 0.4266



67.1003, 0.2043, 0.3124



67.1003, 0.3326, 0.2535



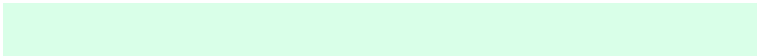
67.1003, 0.4336, 0.3272

Sweetspot

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



67.1030, 0.2826, 0.4266



92.0344, 0.3026, 0.3534



73.0052, 0.3524, 0.4667



19.4863, 0.3012, 0.3571



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.



67.1030, 0.2826, 0.4266



76.9258, 0.2793, 0.4505



69.7560, 0.2535, 0.3462



16.9587, 0.3063, 0.3438



33.5113, 0.2823, 0.5362



2.6498, 0.2745, 0.5083

Inverse Universe

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



34.7050, 0.3660, 0.2501



34.7382, 0.3817, 0.2371



32.6080, 0.4388, 0.3141



15.2092, 0.3197, 0.3147



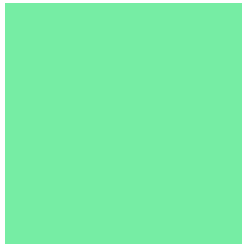
10.9769, 0.4485, 0.2244



0.8807, 0.4261, 0.2121

Previews

White Background



This preview shows how the Yxy color 67.1003, 0.2826, 0.4266 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 67.1003, 0.2826, 0.4266 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 67.1003, 0.2826, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 67.1003, 0.2826, 0.4266.



This preview shows how white text looks on a background with the Yxy color 67.1003, 0.2826, 0.4266.

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

67.1003, 0.2826, 0.4266

Protanopia

66.0449, 0.3683, 0.3948

Deuteranopia

65.9002, 0.3720, 0.3643



Tritanopia

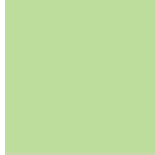
67.0197, 0.2504, 0.3073

Trichromacy



Original Color

67.1003, 0.2826, 0.4266



Protanomaly

64.9660, 0.3318, 0.4072



Deuteranomaly

64.2182, 0.3336, 0.3864



Tritanomaly

66.9350, 0.2615, 0.3477

Monochromacy



Original Color

67.1003, 0.2826, 0.4266



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.0853, 0.2994, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1003, 0.2826, 0.4266 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, 237, 164)` looks like.

```
.text, #text, p{  
    color:rgb(118, 237, 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(118, 237, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 237, 164) }
```

Border

The CSS property to change the border of an element to Yxy 67.1003, 0.2826, 0.4266 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, 237, 164) }
```

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

```
.border{ border-color:rgb(118, 237, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 237, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 237, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 237, 164);  
box-shadow:4px 4px 4px 4px rgb(118, 237,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1003, 0.2826, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 237, 164) }
```

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

```
.background{ background-color: rgb(118,  
237, 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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