

Converting Colors

$Yxy(67.6049, 0.2737, 0.4207)$

Have a look what the booklet for
Yxy(67.6049, 0.2737, 0.4207)
contains.

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Color

Yxy(67.6765, 0.2736, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	69EFAB
RGB	105, 239, 171
RGB Percent	41%, 94%, 67%
CMY	0.5881, 0.0627, 0.3295
CMYK	0.56, 0.00, 0.28, 0.06
HSL	150°, 81%, 67%
HSV	150°, 56%, 94%
XYZ	44.0445, 67.6765, 49.2602
YIQ	191.1820, -58.0360, -49.5560

Conversions

Conversions Part 2

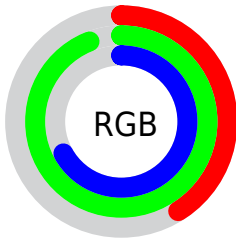
Format	Color
RYB	105, 195, 239
Decimal	6942635
CIELab	85.84, -52.06, 22.06
CIELCh	86, 56.545, 157.039
Yxy	67.6765, 0.2736, 0.4204
Android (android.graphics.Color)	4285132715 (0xFF69EFAB)
YUV	191.1820, -9.9497, -75.5816
Hunter-Lab	82.2657, -48.3975, 22.0835

Details

The Yxy color **67.6765, 0.2736, 0.4204** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **31.4811, 0.3926, 0.2564**, and the grayscale version is **52.3013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0654, 0.2762, 0.3607**, and **35.0872, 0.2626, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **65.9874, 0.2704, 0.4404**, and if you desaturate by 10%, it is **69.8201, 0.2784, 0.4011**.

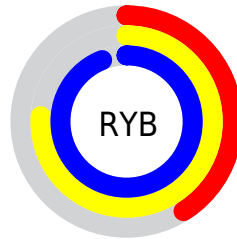
Distribution



Red (41%)

Green (94%)

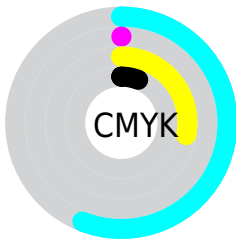
Blue (67%)



Red (41%)

Yellow (76%)

Blue (94%)

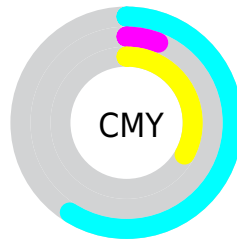


Cyan (56%)

Magenta (0%)

Yellow (28%)

Black (6%)



Cyan (59%)


Magenta (6%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6765, 0.2736, 0.4204 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 67.6765, 0.2736, 0.4204 by changing the saturation by 10% instead.


 67.6765, 0.2736,
0.4204


 67.6765, 0.2736,
0.4204

452.3490, 0.2932,
0.3749


 49.6346, 0.2687,
0.4316


 115.8892, 0.2807,
0.4040

 35.1231, 0.2625,
0.4459


 146.8289, 0.2834,
0.3978

 23.7578, 0.2543,
0.4647


 182.8365, 0.2856,
0.3925

 15.1540, 0.2429,
0.4906

224.2966, 0.2876,
0.3880

 8.9276, 0.2264,
0.5279

271.5935, 0.2893,
0.3841

 4.6940, 0.2005,
0.5860


325.1116, 0.2907,


 2.0688, 0.1399,

0.3806

0.7303

385.2353, 0.2920,
0.3776


 0.6470, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.6765, 0.2736,
0.4204

 67.6765, 0.2736,
0.4204


 65.9874, 0.2704,
0.4404


 69.8201, 0.2784,
0.4011


 64.7085, 0.2691,
0.4605


 72.4422, 0.2846,
0.3828

 63.8004, 0.2699,
0.4803


 75.5745, 0.2917,
0.3659


 63.2111, 0.2726,
0.4990

 79.2436, 0.2995,
0.3505

 63.0338, 0.2739,
0.5061

 83.4743, 0.3077,
0.3367

 88.2899, 0.3160,
0.3243

 90.2141, 0.3134,
0.3136

Harmonies

Analogous

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



67.6765, 0.3402, 0.4561



67.6765, 0.2736, 0.4204



67.6765, 0.2210, 0.3505

Triad

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



67.6765, 0.2736, 0.4204



67.6765, 0.2215, 0.2223



67.6765, 0.4481, 0.3515

Complementary

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



67.6765, 0.2736, 0.4204



31.4811, 0.3926, 0.2564

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.



67.6765, 0.4097, 0.3004



67.6765, 0.2736, 0.4204



67.6765, 0.2733, 0.2298

Square

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



67.6765, 0.2736, 0.4204



67.6765, 0.1945, 0.2388



67.6765, 0.3426, 0.2575



67.6765, 0.4440, 0.4032

Rectangle

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



67.6765, 0.2736, 0.4204



67.6765, 0.1998, 0.3030



67.6765, 0.3426, 0.2575



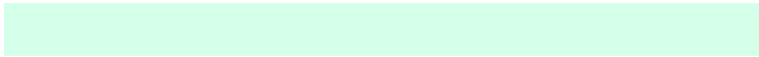
67.6765, 0.4398, 0.3340

Sweetspot

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



67.6792, 0.2736, 0.4204



91.3477, 0.2987, 0.3520



71.7824, 0.3459, 0.4875



19.3605, 0.2971, 0.3550



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.



67.6792, 0.2736, 0.4204



76.2484, 0.2702, 0.4428



70.8405, 0.2431, 0.3315



17.7861, 0.3049, 0.3412



34.8597, 0.2731, 0.5033



2.9201, 0.2664, 0.4789

Inverse Universe

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



31.4811, 0.3926, 0.2564



30.5603, 0.4175, 0.2465



29.5291, 0.4800, 0.3272



15.8928, 0.3214, 0.3171



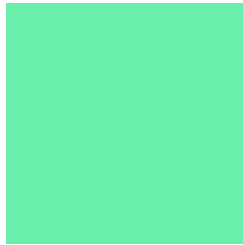
10.9352, 0.4926, 0.2487



0.9298, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 67.6765, 0.2736, 0.4204 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 67.6765, 0.2736, 0.4204 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 67.6765, 0.2736, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 67.6765, 0.2736, 0.4204.



This preview shows how white text looks on a background with the Yxy color 67.6765, 0.2736, 0.4204.

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

67.6765, 0.2736, 0.4204

Protanopia

66.5857, 0.3628, 0.3894

Deuteranopia

66.4698, 0.3655, 0.3579



Tritanopia

67.4051, 0.2446, 0.3060

Trichromacy



Original Color

67.6765, 0.2736, 0.4204



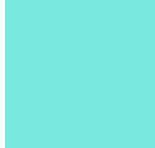
Protanomaly

64.9542, 0.3233, 0.4018



Deuteranomaly

64.3230, 0.3249, 0.3796



Tritanomaly

67.4382, 0.2550, 0.3452

Monochromacy



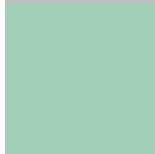
Original Color

67.6765, 0.2736, 0.4204



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.0460, 0.2939, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6765, 0.2736, 0.4204 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(105, 239, 171)` looks like.

```
.text, #text, p{  
    color:rgb(105, 239, 171)  
}
```

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(105, 239, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 239, 171) }
```

Border

The CSS property to change the border of an element to Yxy 67.6765, 0.2736, 0.4204 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(105, 239, 171) }
```

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

```
.border{ border-color:rgb(105, 239, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 239, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 239, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 239, 171); box-shadow:4px 4px 4px 4px rgb(105, 239, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6765, 0.2736, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 239, 171) }
```

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

```
.background{ background-color: rgb(105,  
239, 171) }
```

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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