

Converting Colors

Yxy(65.6101, 0.3003, 0.4690)

Have a look what the booklet for
Yxy(65.6101, 0.3003, 0.4690)
contains.

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Color

Yxy(65.7218, 0.3002, 0.4692)

Conversions

Conversions Part 1

Format	Color
Hex	79EC84
RGB	121, 236, 132
RGB Percent	47%, 93%, 52%
CMY	0.5253, 0.0745, 0.4823
CMYK	0.49, 0.00, 0.44, 0.07
HSL	126°, 75%, 70%
HSV	126°, 49%, 93%
XYZ	42.0496, 65.7218, 32.3006
YIQ	189.7590, -35.1560, -56.7240

Conversions

Conversions Part 2

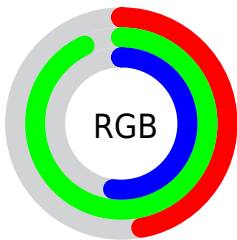
Format	Color
RYB	121, 226, 236
Decimal	7990404
CIELab	84.85, -53.73, 40.50
CIElCh	85, 67.283, 142.992
Yxy	65.7218, 0.3002, 0.4692
Android (android.graphics.Color)	4286180484 (0xFF79EC84)
YUV	189.7590, -28.4752, -60.3016
Hunter-Lab	81.0690, -49.2847, 33.1252

Details

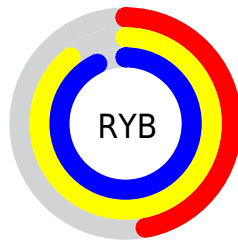
The Yxy color **65.7218, 0.3002, 0.4692** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.9549, 0.3286, 0.2207**, and the grayscale version is **51.5355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6489, 0.3049, 0.4083**, and **33.7800, 0.2931, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **63.6964, 0.2984, 0.5025**, and if you desaturate by 10%, it is **68.2893, 0.3025, 0.4359**.

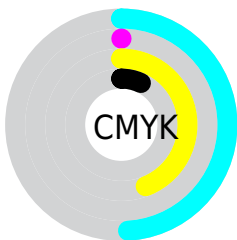
Distribution



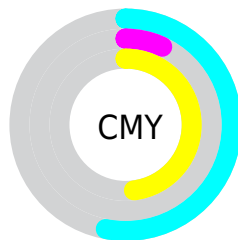
- Red (47%)
- Green (93%)
- Blue (52%)



- Red (47%)
- Yellow (89%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7218, 0.3002, 0.4692 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 65.7218, 0.3002, 0.4692 by changing the saturation by 10% instead.


 65.7218, 0.3002,
0.4692

 65.7218, 0.3002,
0.4692


445.3813, 0.3092,
0.3983

 48.0466, 0.2972,
0.4868

 113.0869, 0.3041,
0.4435

 33.8638, 0.2929,
0.5092

 143.5457, 0.3053,
0.4338

 22.7890, 0.2864,
0.5385


 179.0344, 0.3063,
0.4256

 14.4378, 0.2762,
0.5781

219.9375, 0.3071,
0.4186

 8.4258, 0.2590,
0.6335

266.6393, 0.3078,
0.4125

 4.3686, 0.2351,
0.7372

319.5243, 0.3083,

 1.8818, 0.1179,

0.4072

0.8821

378.9768, 0.3088,
0.4025

■ 0.5374, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7218, 0.3002,
0.4692

■ 65.7218, 0.3002,
0.4692

■ 63.6964, 0.2984,
0.5025

■ 68.2893, 0.3025,
0.4359

■ 62.1666, 0.2972,
0.5337


■ 71.4252, 0.3051,
0.4043


■ 61.0917, 0.2969,
0.5604


■ 75.1640, 0.3078,
0.3752


■ 60.4209, 0.2974,
0.5807

■ 79.5348, 0.3105,
0.3491

 60.0816, 0.2984,
0.5935

 84.5653, 0.3130,
0.3262

 60.0506, 0.2985,
0.5947

 88.4707, 0.3136,
0.3107

Harmonies

Analogous

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



65.7218, 0.3792, 0.4810



65.7218, 0.3002, 0.4692



65.7218, 0.2289, 0.3971

Triad

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



65.7218, 0.3002, 0.4692



65.7218, 0.1876, 0.2090



65.7218, 0.4597, 0.3243

Complementary

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



65.7218, 0.3002, 0.4692



36.9549, 0.3286, 0.2207

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.



65.7218, 0.3934, 0.2696



65.7218, 0.3002, 0.4692



65.7218, 0.2337, 0.2062

Square

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



65.7218, 0.3002, 0.4692



65.7218, 0.1708, 0.2409



65.7218, 0.3072, 0.2279



65.7218, 0.4774, 0.3845

Rectangle

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



65.7218, 0.3002, 0.4692



65.7218, 0.1953, 0.3355



65.7218, 0.3072, 0.2279



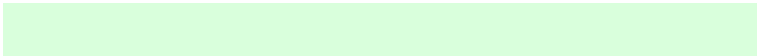
65.7218, 0.4420, 0.3051

Sweetspot

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



65.7245, 0.3002, 0.4692



91.4219, 0.3088, 0.3653



77.6087, 0.3771, 0.4507



19.3404, 0.3082, 0.3710



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.



65.7245, 0.3002, 0.4692



76.0377, 0.2984, 0.5010



67.6935, 0.2717, 0.3915



16.8855, 0.3103, 0.3510



33.1094, 0.2981, 0.5933



2.6078, 0.2938, 0.5777

Inverse Universe

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



36.9549, 0.3286, 0.2207



38.1405, 0.3323, 0.2032



34.3793, 0.3901, 0.2760



15.2876, 0.3152, 0.3080



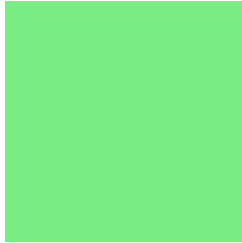
12.5021, 0.3464, 0.1682



0.9889, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 65.7218, 0.3002, 0.4692 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 65.7218, 0.3002, 0.4692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

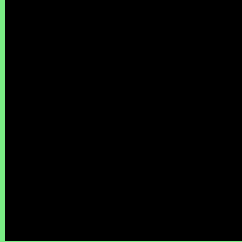
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7218, 0.3002, 0.4692

Background



This preview shows how black text looks on a background with the Yxy color 65.7218, 0.3002, 0.4692.

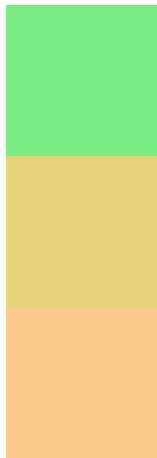


This preview shows how white text looks on a background with the Yxy color 65.7218, 0.3002, 0.4692.

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

65.7218, 0.3002, 0.4692

Protanopia

65.0075, 0.3911, 0.4250

Deuteranopia

64.3622, 0.4013, 0.3927



Tritanopia

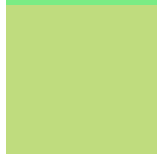
65.1460, 0.2544, 0.3072

Trichromacy



Original Color

65.7218, 0.3002, 0.4692



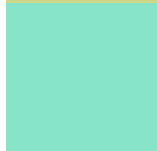
Protanomaly

63.7691, 0.3531, 0.4429



Deuteranomaly

62.7366, 0.3584, 0.4206



Tritanomaly

64.9381, 0.2712, 0.3636

Monochromacy



Original Color

65.7218, 0.3002, 0.4692



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.4896, 0.3074, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7218, 0.3002, 0.4692 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(121, 236, 132)` looks like.

```
.text, #text, p{  
    color:rgb(121, 236, 132)  
}
```

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(121, 236, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 236, 132) }
```

Border

The CSS property to change the border of an element to Yxy 65.7218, 0.3002, 0.4692 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(121, 236, 132) }
```

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

```
.border{ border-color:rgb(121, 236, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 236, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 236, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 236, 132);  
box-shadow:4px 4px 4px 4px rgb(121, 236,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7218, 0.3002, 0.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 236, 132) }
```

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

```
.background{ background-color: rgb(121,  
236, 132) }
```

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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