

Converting Colors

$Yxy(66.1909, 0.2932, 0.4506)$

Have a look what the booklet for
Yxy(66.1909, 0.2932, 0.4506)
contains.

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Color

Yxy(66.1312, 0.2932, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	79EC92
RGB	121, 236, 146
RGB Percent	47%, 93%, 57%
CMY	0.5255, 0.0745, 0.4274
CMYK	0.49, 0.00, 0.38, 0.07
HSL	133°, 75%, 70%
HSV	133°, 49%, 93%
XYZ	43.0690, 66.1312, 37.6927
YIQ	191.3550, -39.6500, -52.3700

Conversions

Conversions Part 2

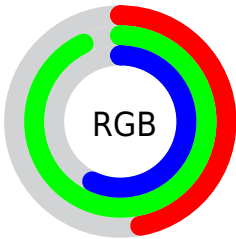
Format	Color
RYB	121, 215, 236
Decimal	7990418
CIELab	85.06, -51.58, 33.82
CIELCh	85, 61.673, 146.749
Yxy	66.1312, 0.2932, 0.4502
Android (android.graphics.Color)	4286180498 (0xFF79EC92)
YUV	191.3550, -22.3600, -61.7013
Hunter-Lab	81.3211, -47.7753, 29.4436

Details

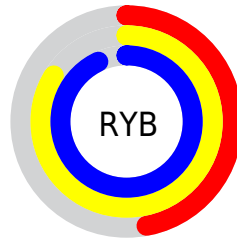
The Yxy color **66.1312, 0.2932, 0.4502** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.2101, 0.3427, 0.2333**, and the grayscale version is **52.4681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3208, 0.2970, 0.3904**, and **34.0090, 0.2853, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **64.1033, 0.2908, 0.4801**, and if you desaturate by 10%, it is **68.6744, 0.2965, 0.4211**.

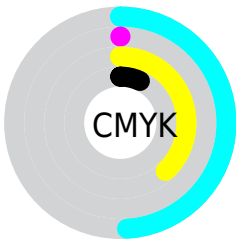
Distribution



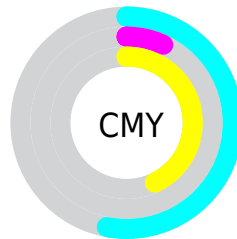
- Red (47%)
- Green (93%)
- Blue (57%)



- Red (47%)
- Yellow (84%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (38%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1312, 0.2932, 0.4502 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 66.1312, 0.2932, 0.4502 by changing the saturation by 10% instead.


 66.1312, 0.2932,
0.4502


 66.1312, 0.2932,
0.4502


446.8460, 0.3047,
0.3892


 48.3789, 0.2899,
0.4654


 113.6746, 0.2977,
0.4280

 34.1271, 0.2853,
0.4847


 144.2345, 0.2993,
0.4197

 22.9912, 0.2789,
0.5102


 179.8325, 0.3006,
0.4126

 14.5870, 0.2693,
0.5451

220.8528, 0.3017,
0.4066

 8.5301, 0.2538,
0.5949

267.6799, 0.3026,
0.4014

 4.4360, 0.2275,
0.6728

320.6982, 0.3034,

 1.9203, 0.1451,

0.3968

0.8549

380.2921, 0.3041,
0.3927

■ 0.5605, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1312, 0.2932,
0.4502

■ 66.1312, 0.2932,
0.4502

■ 64.1033, 0.2908,
0.4801

■ 68.6744, 0.2965,
0.4211

■ 62.5471, 0.2896,
0.5093


■ 71.7567, 0.3003,
0.3938


■ 61.4253, 0.2898,
0.5363


■ 75.4102, 0.3046,
0.3688


■ 60.6908, 0.2913,
0.5593

■ 79.6620, 0.3089,
0.3464

 60.2762, 0.2939,
0.5772

 84.5375, 0.3133,
0.3266

 60.2355, 0.2942,
0.5791

 88.4735, 0.3136,
0.3107

Harmonies

Analogous

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



66.1312, 0.3665, 0.4698



66.1312, 0.2932, 0.4502



66.1312, 0.2291, 0.3808

Triad

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



66.1312, 0.2932, 0.4502



66.1312, 0.2005, 0.2161



66.1312, 0.4520, 0.3327

Complementary

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



66.1312, 0.2932, 0.4502



36.2101, 0.3427, 0.2333

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.



66.1312, 0.3960, 0.2802



66.1312, 0.2932, 0.4502



66.1312, 0.2473, 0.2162

Square

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



66.1312, 0.2932, 0.4502



66.1312, 0.1812, 0.2430



66.1312, 0.3178, 0.2390



66.1312, 0.4629, 0.3892

Rectangle

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



66.1312, 0.2932, 0.4502



66.1312, 0.1999, 0.3256



66.1312, 0.3178, 0.2390



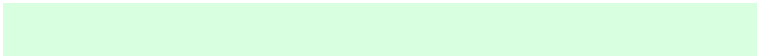
66.1312, 0.4376, 0.3144

Sweetspot

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



66.1339, 0.2932, 0.4502



91.6735, 0.3062, 0.3603



75.2355, 0.3657, 0.4560



19.4001, 0.3052, 0.3652



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.



66.1339, 0.2932, 0.4502



76.5240, 0.2909, 0.4786



68.3900, 0.2640, 0.3707



16.9158, 0.3086, 0.3480



33.2171, 0.2935, 0.5767



2.6223, 0.2865, 0.5514

Inverse Universe

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



36.2101, 0.3427, 0.2333



37.1148, 0.3505, 0.2175



33.8267, 0.4090, 0.2929



15.2544, 0.3171, 0.3108



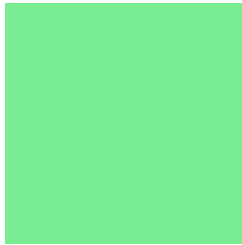
11.7729, 0.3848, 0.1894



0.9383, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 66.1312, 0.2932, 0.4502 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 66.1312, 0.2932, 0.4502 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 66.1312, 0.2932, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 66.1312, 0.2932, 0.4502.

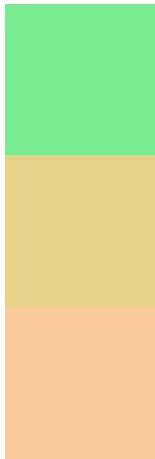


This preview shows how white text looks on a background with the Yxy color 66.1312, 0.2932, 0.4502.

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

66.1312, 0.2932, 0.4502

Protanopia

65.1891, 0.3815, 0.4119

Deuteranopia

64.8981, 0.3885, 0.3798



Tritanopia

65.6514, 0.2536, 0.3073

Trichromacy



Original Color

66.1312, 0.2932, 0.4502



Protanomaly

64.0270, 0.3437, 0.4267



Deuteranomaly

63.0240, 0.3481, 0.4043



Tritanomaly

65.2260, 0.2680, 0.3556

Monochromacy



Original Color

66.1312, 0.2932, 0.4502



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.8278, 0.3041, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1312, 0.2932, 0.4502 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(121, 236, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 236, 146) }
```

Border

The CSS property to change the border of an element to Yxy 66.1312, 0.2932, 0.4502 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, 146) }
```

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

```
.border{ border-color:rgb(121, 236, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 236, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 236, 146);  
box-shadow:4px 4px 4px 4px rgb(121, 236,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1312, 0.2932, 0.4502 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, 146) }
```

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

```
.background{ background-color: rgb(121,  
236, 146) }
```

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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