

Converting Colors

Yxy(66.1945, 0.3122, 0.4297)

Have a look what the booklet for
Yxy(66.1945, 0.3122, 0.4297)
contains.

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Color

Yxy(66.1297, 0.3118, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	9EE698
RGB	158, 230, 152
RGB Percent	62%, 90%, 60%
CMY	0.3805, 0.0980, 0.4037
CMYK	0.31, 0.00, 0.34, 0.10
HSL	115°, 61%, 75%
HSV	115°, 34%, 90%
XYZ	48.0635, 66.1297, 39.9553
YIQ	199.5800, -17.8740, -39.5220

Conversions

Conversions Part 2

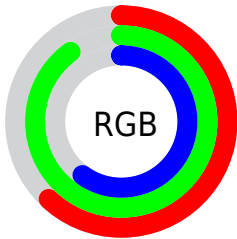
Format	Color
RYB	152, 230, 224
Decimal	10413720
CIELab	85.06, -37.27, 31.06
CIElCh	85, 48.513, 140.191
Yxy	66.1297, 0.3118, 0.4290
Android (android.graphics.Color)	4288603800 (0xFF9EE698)
YUV	199.5800, -23.4569, -36.4657
Hunter-Lab	81.3202, -36.8096, 27.7930

Details

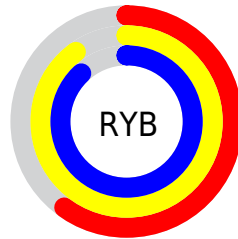
The Yxy color **66.1297, 0.3118, 0.4290** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.0449, 0.3114, 0.2437**, and the grayscale version is **57.6422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3211, 0.3146, 0.3801**, and **34.1353, 0.3098, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **63.4786, 0.3109, 0.4640**, and if you desaturate by 10%, it is **69.3052, 0.3124, 0.3959**.

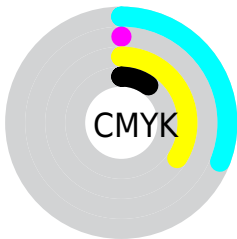
Distribution



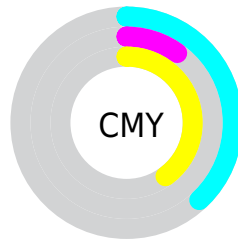
- Red (62%)
- Green (90%)
- Blue (60%)



- Red (60%)
- Yellow (90%)
- Blue (88%)



- Cyan (31%)
- Magenta (0%)
- Yellow (34%)
- Black (10%)




- Cyan (38%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1297, 0.3118, 0.4290 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 66.1297, 0.3118, 0.4290 by changing the saturation by 10% instead.


 66.1297, 0.3118,
0.4290


 66.1297, 0.3118,
0.4290


446.8406, 0.3138,
0.3793

 48.3777, 0.3109,
0.4412


 113.6725, 0.3129,
0.4111

 34.1261, 0.3094,
0.4566

 144.2320, 0.3132,
0.4043

 22.9905, 0.3071,
0.4769


179.8295, 0.3134,
0.3986

 14.5865, 0.3032,
0.5044

220.8494, 0.3135,
0.3936

 8.5297, 0.2961,
0.5435

267.6761, 0.3136,
0.3894

 4.4357, 0.2818,
0.6027

320.6939, 0.3137,

 1.9202, 0.2602,

0.3856

0.7398

380.2873, 0.3138,
0.3823

0.5605, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.1297, 0.3118,
0.4290

66.1297, 0.3118,
0.4290

63.4786, 0.3109,
0.4640

69.3052, 0.3124,
0.3959

61.3159, 0.3097,
0.4992

73.0222, 0.3127,
0.3656

59.6140, 0.3081,
0.5323

77.3075, 0.3127,
0.3386

58.3395, 0.3062,
0.5606

82.1836, 0.3127,
0.3149

■ 57.4540, 0.3042,
0.5818

■ 85.0777, 0.3138,
0.3049

■ 56.9125, 0.3022,
0.5946

■ 56.7214, 0.3013,
0.5989

Harmonies

Analogous

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



66.1297, 0.3700, 0.4378



66.1297, 0.3118, 0.4290



66.1297, 0.2568, 0.3829

Triad

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



66.1297, 0.3118, 0.4290



66.1297, 0.2162, 0.2409



66.1297, 0.4152, 0.3242

Complementary

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



66.1297, 0.3118, 0.4290



44.0449, 0.3114, 0.2437

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.



66.1297, 0.3659, 0.2817



66.1297, 0.3118, 0.4290



66.1297, 0.2505, 0.2353

Square

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



66.1297, 0.3118, 0.4290



66.1297, 0.2053, 0.2696



66.1297, 0.3042, 0.2502



66.1297, 0.4332, 0.3707

Rectangle

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



66.1297, 0.3118, 0.4290



66.1297, 0.2291, 0.3414



66.1297, 0.3042, 0.2502



66.1297, 0.4015, 0.3092

Sweetspot

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



66.1325, 0.3118, 0.4290



94.2671, 0.3127, 0.3549



72.1413, 0.3659, 0.4071



20.0174, 0.3127, 0.3588



0.0000, 0.0000, 0.0000



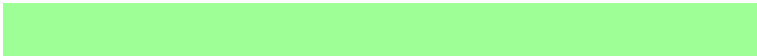
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1325, 0.3118, 0.4290



81.0461, 0.3112, 0.4546



66.7604, 0.2894, 0.3868



16.1412, 0.3127, 0.3532



32.1301, 0.3017, 0.5986



2.3927, 0.3064, 0.5949

Inverse Universe

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



44.0449, 0.3114, 0.2437



48.9601, 0.3108, 0.2258



43.3506, 0.3462, 0.2779



14.5566, 0.3126, 0.3058



11.2262, 0.3019, 0.1437



0.8463, 0.3049, 0.1453

Previews

White Background



This preview shows how the Yxy color 66.1297, 0.3118, 0.4290 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 66.1297, 0.3118, 0.4290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

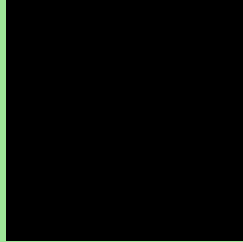
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1297, 0.3118, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 66.1297, 0.3118, 0.4290.



This preview shows how white text looks on a background with the Yxy color 66.1297, 0.3118, 0.4290.

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

66.1297, 0.3118, 0.4290

Protanopia

65.2602, 0.3751, 0.4036

Deuteranopia

65.5045, 0.3850, 0.3766



Tritanopia

65.6617, 0.2713, 0.3079

Trichromacy



Original Color

66.1297, 0.3118, 0.4290



Protanomaly

64.9459, 0.3498, 0.4133



Deuteranomaly

64.7405, 0.3561, 0.3947



Tritanomaly

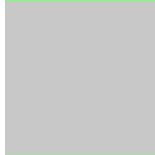
65.5564, 0.2864, 0.3497

Monochromacy



Original Color

66.1297, 0.3118, 0.4290



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.3217, 0.3126, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1297, 0.3118, 0.4290 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(158, 230, 152)` looks like.

```
.text, #text, p{  
    color:rgb(158, 230, 152)  
}
```

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(158, 230, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 230, 152) }
```

Border

The CSS property to change the border of an element to Yxy 66.1297, 0.3118, 0.4290 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(158, 230, 152) }
```

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

```
.border{ border-color:rgb(158, 230, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 230, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 230, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 230, 152);  
box-shadow:4px 4px 4px 4px rgb(158, 230,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1297, 0.3118, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 230, 152) }
```

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

```
.background{ background-color: rgb(158,  
230, 152) }
```

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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