

Converting Colors

$Y_{xy}(70.0210, 0.3306, 0.5213)$

Have a look what the booklet for
Yxy(70.0210, 0.3306, 0.5213)
contains.

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Color

Yxy(69.7516, 0.3304, 0.5208)

Conversions

Conversions Part 1

Format	Color
Hex	8CF256
RGB	140, 242, 86
RGB Percent	55%, 95%, 34%
CMY	0.4508, 0.0510, 0.6628
CMYK	0.42, 0.00, 0.64, 0.05
HSL	99°, 86%, 64%
HSV	99°, 64%, 95%
XYZ	44.2510, 69.7516, 19.9290
YIQ	193.7180, -10.7160, -70.1400

Conversions

Conversions Part 2

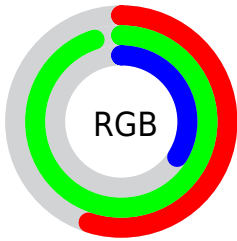
Format	Color
RYB	86, 242, 188
Decimal	9237078
CIELab	86.87, -55.90, 63.82
CIELCh	87, 84.838, 131.218
Yxy	69.7516, 0.3304, 0.5208
Android (android.graphics.Color)	4287427158 (0xFF8CF256)
YUV	193.7180, -53.1050, -47.1107
Hunter-Lab	83.5174, -51.5787, 44.3143

Details

The Yxy color **69.7516, 0.3304, 0.5208** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.7458, 0.2666, 0.1580**, and the grayscale version is **54.1031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6151, 0.3405, 0.4541**, and **36.4653, 0.3250, 0.5695** is the 20% darker color. If you saturate the color by 10%, you get **68.1514, 0.3286, 0.5468**, and if you desaturate by 10%, it is **71.6872, 0.3304, 0.4909**.

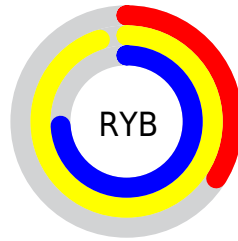
Distribution



Red (55%)

Green (95%)

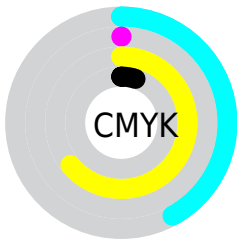
Blue (34%)



Red (34%)

Yellow (95%)

Blue (74%)

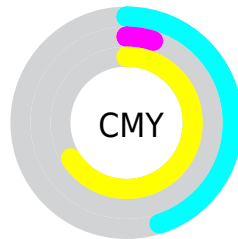


Cyan (42%)

Magenta (0%)

Yellow (64%)

Black (5%)



Cyan (45%)


Magenta (5%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7516, 0.3304, 0.5208 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 69.7516, 0.3304, 0.5208 by changing the saturation by 10% instead.


 69.7516, 0.3304,
0.5208

 69.7516, 0.3304,
0.5208

459.6773, 0.3288,
0.4263

 51.3241, 0.3286,
0.5428


 118.8545, 0.3315,
0.4874

 36.4666, 0.3250,
0.5698


 150.2985, 0.3314,
0.4745

 24.7948, 0.3185,
0.6032


 186.8503, 0.3312,
0.4635

 15.9242, 0.3064,
0.6447

 228.8940, 0.3308,
0.4540

 9.4705, 0.2901,
0.7099

276.8142, 0.3303,
0.4457

 5.0493, 0.2439,
0.7561

330.9953, 0.3298,

 2.2762, 0.1529,

0.4385

0.8471

391.8215, 0.3293,
0.4320

0.7611, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.7516, 0.3304,
0.5208

69.7516, 0.3304,
0.5208

68.1514, 0.3286,
0.5468

71.6872, 0.3304,
0.4909

66.8554, 0.3252,
0.5672

73.9691, 0.3290,
0.4590


65.8404, 0.3203,
0.5810

76.6185, 0.3264,
0.4268

65.3824, 0.3174,
0.5862

79.6521, 0.3229,
0.3958

 83.0855, 0.3189,
0.3667

 86.9333, 0.3146,
0.3401

 91.1854, 0.3106,
0.3164

 91.9843, 0.3133,
0.3165

Harmonies

Analogous

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



69.7516, 0.4218, 0.4972



69.7516, 0.3304, 0.5208



69.7516, 0.2393, 0.4585

Triad

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



69.7516, 0.3304, 0.5208



69.7516, 0.1533, 0.1951



69.7516, 0.4677, 0.2937

Complementary

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



69.7516, 0.3304, 0.5208



23.7458, 0.2666, 0.1580

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.



69.7516, 0.3694, 0.2359



69.7516, 0.3304, 0.5208



69.7516, 0.1924, 0.1814

Square

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



69.7516, 0.3304, 0.5208



69.7516, 0.1464, 0.2455



69.7516, 0.2664, 0.1963



69.7516, 0.5132, 0.3607

Rectangle

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



69.7516, 0.3304, 0.5208



69.7516, 0.1915, 0.3809



69.7516, 0.2664, 0.1963



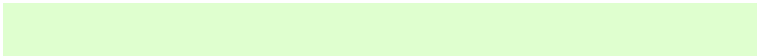
69.7516, 0.4387, 0.2730

Sweetspot

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



69.7546, 0.3304, 0.5208



91.7448, 0.3208, 0.3797



55.2557, 0.4390, 0.4320



19.4026, 0.3219, 0.3881



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.



69.7546, 0.3304, 0.5208



76.3202, 0.3279, 0.5530



66.5938, 0.2943, 0.5108



17.9226, 0.3168, 0.3530



35.1923, 0.3185, 0.5853



2.9810, 0.3285, 0.5773

Inverse Universe

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



23.7458, 0.2666, 0.1580



20.8722, 0.2545, 0.1325



30.6222, 0.3439, 0.1999



15.7414, 0.3082, 0.3053



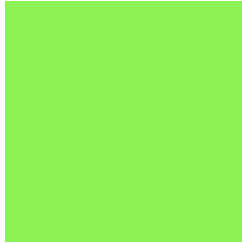
7.4357, 0.2353, 0.1070



0.6736, 0.2467, 0.1133

Previews

White Background



This preview shows how the Yxy color 69.7516, 0.3304, 0.5208 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 69.7516, 0.3304, 0.5208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

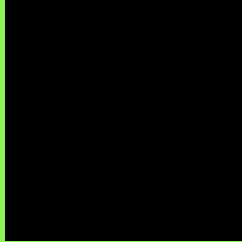
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

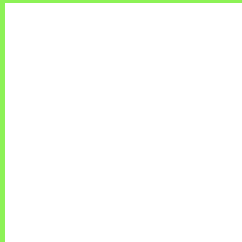
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7516, 0.3304, 0.5208

Background



This preview shows how black text looks on a background with the Yxy color 69.7516, 0.3304, 0.5208.



This preview shows how white text looks on a background with the Yxy color 69.7516, 0.3304, 0.5208.

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

69.7516, 0.3304, 0.5208

Protanopia

68.8910, 0.4201, 0.4630

Deuteranopia

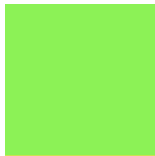
68.8139, 0.3984, 0.3978



Tritanopia

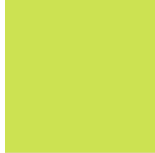
69.0923, 0.2639, 0.3070

Trichromacy



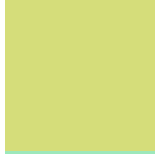
Original Color

69.7516, 0.3304, 0.5208



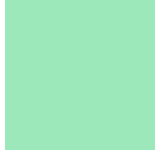
Protanomaly

67.8393, 0.3838, 0.4856



Deuteranomaly

67.2642, 0.3726, 0.4411



Tritanomaly

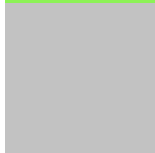
68.4692, 0.2911, 0.3853

Monochromacy



Original Color

69.7516, 0.3304, 0.5208



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.9538, 0.3233, 0.4015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7516, 0.3304, 0.5208 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(140, 242, 86)` looks like.

```
.text, #text, p{  
    color:rgb(140, 242, 86)  
}
```

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(140, 242, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 242, 86) }
```

Border

The CSS property to change the border of an element to Yxy 69.7516, 0.3304, 0.5208 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(140, 242, 86) }
```

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

```
.border{ border-color:rgb(140, 242, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 242, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 242, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 242, 86);  
box-shadow:4px 4px 4px 4px rgb(140, 242,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7516, 0.3304, 0.5208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 242, 86) }
```

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

```
.background{ background-color: rgb(140,  
242, 86) }
```

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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