

Converting Colors

Yxy(76.6328, 0.3137, 0.4695)

Have a look what the booklet for
Yxy(76.6328, 0.3137, 0.4695)
contains.

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Color

Yxy(76.6328, 0.3137, 0.4695)

Conversions

Conversions Part 1

Format	Color
Hex	96FA88
RGB	150, 250, 136
RGB Percent	59%, 98%, 53%
CMY	0.4119, 0.0196, 0.4666
CMYK	0.40, 0.00, 0.46, 0.02
HSL	113°, 92%, 76%
HSV	113°, 46%, 98%
XYZ	51.2028, 76.6328, 35.3866
YIQ	207.1040, -23.0060, -56.6540

Conversions

Conversions Part 2

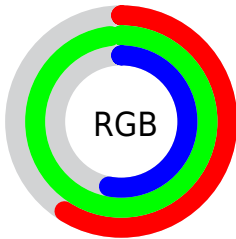
Format	Color
RYB	136, 250, 236
Decimal	9894536
CIELab	90.15, -50.71, 45.51
CIElCh	90, 68.144, 138.093
Yxy	76.6328, 0.3137, 0.4695
Android (android.graphics.Color)	4288084616 (0xFF96FA88)
YUV	207.1040, -35.0543, -50.0802
Hunter-Lab	87.5402, -48.7895, 37.3112

Details

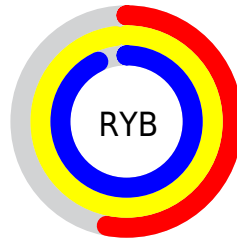
The Yxy color **76.6328, 0.3137, 0.4695** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.3540, 0.3057, 0.2134**, and the grayscale version is **62.7059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6915, 0.3199, 0.3986**, and **41.1072, 0.3098, 0.5057** is the 20% darker color. If you saturate the color by 10%, you get **74.1165, 0.3127, 0.5042**, and if you desaturate by 10%, it is **79.7109, 0.3142, 0.4346**.

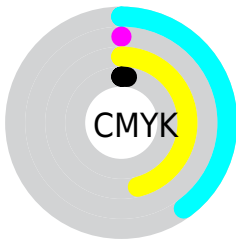
Distribution



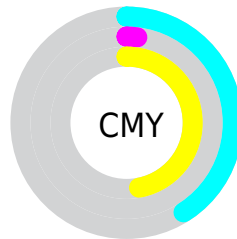
- Red (59%)
- Green (98%)
- Blue (53%)



- Red (53%)
- Yellow (98%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (46%)
- Black (2%)





- Cyan (41%)
- Magenta (2%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6328, 0.3137, 0.4695 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 76.6328, 0.3137, 0.4695 by changing the saturation by 10% instead.

 76.6328, 0.3137,
0.4695


 76.6328, 0.3137,
0.4695


483.5111, 0.3164,
0.4008


 56.9515, 0.3122,
0.4859

 128.6210, 0.3153,
0.4451

 40.9663, 0.3098,
0.5063

 161.6968, 0.3158,
0.4357

 28.2928, 0.3059,
0.5324

 200.0061, 0.3161,
0.4277

 18.5465, 0.2993,
0.5667

243.9335, 0.3162,
0.4209

 11.3430, 0.2878,
0.6130

293.8633, 0.3163,
0.4149

 6.2981, 0.2683,
0.6826


350.1799, 0.3164,


 3.0272, 0.2258,


0.4096


0.7742


413.2677, 0.3164,
0.4049


 1.1459, 0.0000,
1.0000


 0.0169, 0.0000,
1.0000


 76.6328, 0.3137,
0.4695

 76.6328, 0.3137,
0.4695


 74.1165, 0.3127,
0.5042


 79.7109, 0.3142,
0.4346


 72.1189, 0.3110,
0.5363

 83.3718, 0.3141,
0.4013

 70.6061, 0.3088,
0.5634

 87.6472, 0.3138,
0.3706

 69.5357, 0.3062,
0.5833

 92.5636, 0.3131,
0.3430

■ 68.8581, 0.3035,
0.5949

■ 96.8574, 0.3129,
0.3242

■ 68.6628, 0.3026,
0.5980

Harmonies

Analogous

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



76.6328, 0.3893, 0.4721



76.6328, 0.3137, 0.4695



76.6328, 0.2419, 0.4083

Triad

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



76.6328, 0.3137, 0.4695



76.6328, 0.1869, 0.2160



76.6328, 0.4465, 0.3157

Complementary

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



76.6328, 0.3137, 0.4695



42.3540, 0.3057, 0.2134

Split Complementary

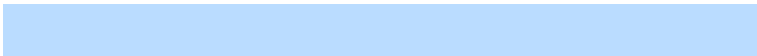
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6328, 0.3773, 0.2639



76.6328, 0.3137, 0.4695



76.6328, 0.2272, 0.2087

Square

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



76.6328, 0.3137, 0.4695



76.6328, 0.1752, 0.2524



76.6328, 0.2946, 0.2261



76.6328, 0.4723, 0.3739

Rectangle

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



76.6328, 0.3137, 0.4695



76.6328, 0.2061, 0.3499



76.6328, 0.2946, 0.2261



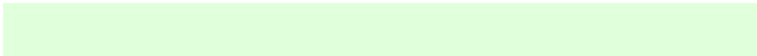
76.6328, 0.4271, 0.2974

Sweetspot

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



76.6360, 0.3137, 0.4695



92.4452, 0.3137, 0.3660



81.4112, 0.3868, 0.4283



19.5635, 0.3138, 0.3723



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.



76.6360, 0.3137, 0.4695



77.6516, 0.3127, 0.5023



76.8188, 0.2857, 0.4192



19.4110, 0.3134, 0.3534



36.4497, 0.3031, 0.5975



3.4072, 0.3087, 0.5931

Inverse Universe

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



42.3540, 0.3057, 0.2134



37.5713, 0.3034, 0.1920



42.5002, 0.3571, 0.2545



17.4104, 0.3118, 0.3055



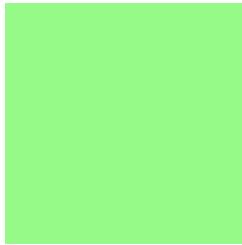
11.7240, 0.2902, 0.1372



1.1152, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 76.6328, 0.3137, 0.4695 looks on a white background.

Color Contrast Check

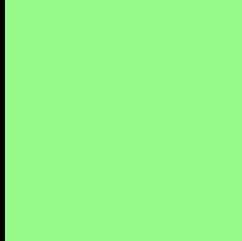
Large Text (above 18pt) WCAG AA × Fail

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 76.6328, 0.3137, 0.4695 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

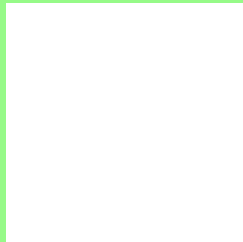
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6328, 0.3137, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 76.6328, 0.3137, 0.4695.

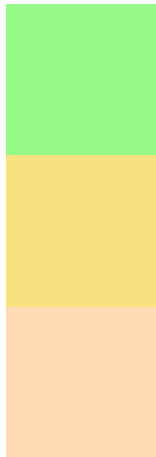


This preview shows how white text looks on a background with the Yxy color 76.6328, 0.3137, 0.4695.

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

76.6328, 0.3137, 0.4695

Protanopia

75.8815, 0.3947, 0.4295

Deuteranopia

75.2592, 0.3664, 0.3681



Tritanopia

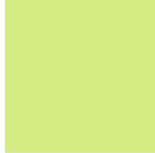
76.0951, 0.2640, 0.3078

Trichromacy



Original Color

76.6328, 0.3137, 0.4695



Protanomaly

75.0254, 0.3618, 0.4458



Deuteranomaly

74.0620, 0.3457, 0.4019



Tritanomaly

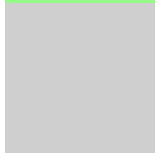
75.6634, 0.2825, 0.3632

Monochromacy



Original Color

76.6328, 0.3137, 0.4695



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.5507, 0.3138, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6328, 0.3137, 0.4695 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(150, 250, 136)` looks like.

```
.text, #text, p{  
    color:rgb(150, 250, 136)  
}
```

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(150, 250, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 250, 136) }
```

Border

The CSS property to change the border of an element to Yxy 76.6328, 0.3137, 0.4695 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(150, 250, 136) }
```

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

```
.border{ border-color:rgb(150, 250, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 250, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 250, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 250, 136);  
box-shadow:4px 4px 4px 4px rgb(150, 250,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6328, 0.3137, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 250, 136) }
```

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

```
.background{ background-color: rgb(150,  
250, 136) }
```

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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