Converting Colors

Yxy(83.1250, 0.3138, 0.4364)

Have a look what the booklet for Yxy(83.1250, 0.3138, 0.4364) contains.

Yxy(83.1630, 0.3140, 0.4365) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(83.1630, 0.3140, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFA3
RGB	174, 255, 163
RGB Percent	68%, 100%, 64%
CMY	0.3176, 0.0000, 0.3609
CMYK	0.32, 0.00, 0.36, 0.00
HSL	113°, 100%, 82%
HSV	113°, 36%, 100%
XYZ	59.8240, 83.1630, 47.5353
YIQ	220.2930, -18.7440, -45.7840

Conversions

Conversions Part 2

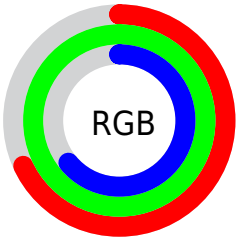
Format	Color
RYB	163, 255, 244
Decimal	11468707
CIELab	93.09, -41.70, 36.36
CIELCh	93, 55.323, 138.915
Yxy	83.1630, 0.3140, 0.4365
Android (android.graphics.Color)	4289658787 (0xFFAEFFA3)
YUV	220.2930, -28.2454, -40.5990
Hunter-Lab	91.1937, -42.4913, 32.9303

Details

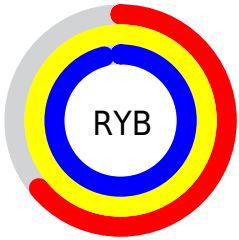
The Yxy color 83.1630, 0.3140, 0.4365 is a light color, and the websafe version is hex 99FF99. A complement of this color would be 52.6331, 0.3080, 0.2368, and the grayscale version is 71.9934, 0.3127, 0.3290.

A 20% lighter version of the original color is 93.7903, 0.3191, 0.3658, and 45.3655, 0.3118, 0.4641 is the 20% darker color. If you saturate the color by 10%, you get 79.9723, 0.3135, 0.4715, and if you desaturate by 10%, it is 86.9667, 0.3140, 0.4030.

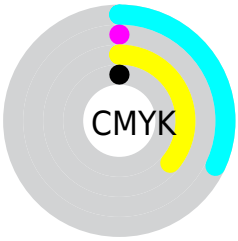
Distribution



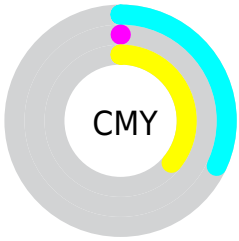
- Red (68%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (96%)



- Cyan (32%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)



- Cyan (32%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1630, 0.3140, 0.4365 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 83.1630, 0.3140, 0.4365 by changing the saturation by 10% instead.

83.1630, 0.3140, 0.4365

505.5296, 0.3152, 0.3851

137.8037, 0.3148, 0.4184

172.3749, 0.3150, 0.4114

212.2924, 0.3151, 0.4055

257.9407, 0.3152, 0.4003

309.7042, 0.3152, 0.3958

367.9672, 0.3152,

83.1630, 0.3140, 0.4365

62.3246, 0.3132, 0.4485

45.2951, 0.3121, 0.4635

31.6899, 0.3101, 0.4826

21.1247, 0.3069, 0.5077

13.2152, 0.3012, 0.5419

7.5769, 0.2904, 0.5903

3.8254, 0.2759,

0.3918

0.6812

433.1142, 0.3152, 0.3883

1.5764, 0.1855, 0.8145

0.3416, 0.0000, 1.0000

83.1630, 0.3140, 0.4365

83.1630, 0.3140, 0.4365

79.9723, 0.3135, 0.4715

86.9667, 0.3140, 0.4030

77.3650, 0.3124, 0.5061

91.4165, 0.3137, 0.3721

75.3046, 0.3107, 0.5381

96.5395, 0.3132, 0.3443

73.7517, 0.3085, 0.5649

100.0000, 0.3127, 0.3290

72.6611, 0.3059, 0.5843

71.9797, 0.3033, 0.5954

71.8044, 0.3024, 0.5981

Harmonies

Analogous

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

83.1630, 0.3751, 0.4434

83.1630, 0.3140, 0.4365

83.1630, 0.2557, 0.3888

Triad

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

83.1630, 0.3140, 0.4365

83.1630, 0.2104, 0.2371

83.1630, 0.4194, 0.3215

Complementary

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

83.1630, 0.3140, 0.4365

52.6331, 0.3080, 0.2368

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.

83.1630, 0.3661, 0.2775

83.1630, 0.3140, 0.4365

83.1630, 0.2452, 0.2305

Square

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

83.1630, 0.3140, 0.4365

83.1630, 0.2000, 0.2679

83.1630, 0.3008, 0.2453

83.1630, 0.4399, 0.3701

Rectangle

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

83.1630, 0.3140, 0.4365

83.1630, 0.2262, 0.3447

83.1630, 0.3008, 0.2453

83.1630, 0.4044, 0.3059

Sweetspot

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

83.1620, 0.3140, 0.4365

93.9378, 0.3135, 0.3576

87.8429, 0.3712, 0.4085

19.9591, 0.3135, 0.3614

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.

83.1620, 0.3140, 0.4365

80.8938, 0.3137, 0.4606

83.3219, 0.2904, 0.3972

20.2723, 0.3134, 0.3534

37.5519, 0.3030, 0.5976

3.6879, 0.3082, 0.5935

Inverse Universe

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

52.6331, 0.3080, 0.2368

46.4308, 0.3065, 0.2197

52.6789, 0.3452, 0.2697

18.1834, 0.3119, 0.3054

12.1342, 0.2908, 0.1376

1.2113, 0.2944, 0.1396

Previews

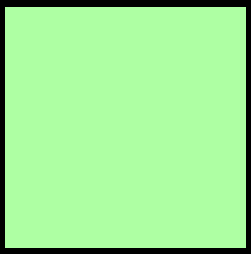
White Background

This preview shows how the Yxy color 83.1630, 0.3140, 0.4365 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



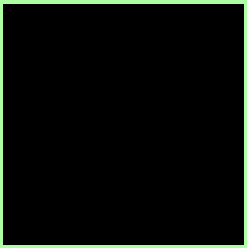
This preview shows how the Yxy color 83.1630, 0.3140, 0.4365 looks on a black background.

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 83.1630, 0.3140, 0.4365 Background



This preview shows how black text looks on a background with the Yxy color 83.1630, 0.3140, 0.4365.

This preview shows how white text looks on a background with the Yxy color 83.1630, 0.3140, 0.4365.

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
83.1630, 0.3140, 0.4365

Protanopia
82.2496, 0.3791, 0.4096

Deuteranopia
82.4077, 0.3449, 0.3512

Tritanopia
82.9680, 0.2818, 0.3142

Trichromacy

Original Color
83.1630, 0.3140, 0.4365

Protanomaly
81.9461, 0.3534, 0.4204

Deuteranomaly
81.7075, 0.3332, 0.3795

Tritanomaly
82.5229, 0.2935, 0.3555

Monochromacy

Original Color
83.1630, 0.3140, 0.4365

Achromatopsia
71.5694, 0.3127, 0.3290

Achromatomaly
75.0979, 0.3136, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1630, 0.3140, 0.4365 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(174, 255, 163) looks like.

```
.text, #text, p{
    color:rgb(174, 255, 163)
}
```

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(174, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 83.1630, 0.3140, 0.4365 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(174, 255, 163) }
```

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

```
.border{ border-color:rgb(174, 255, 163) }
```

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

Here you see how a box with a 4 pixel rgb(174, 255, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 255, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 255, 163); box-shadow:4px 4px 4px 4px rgb(174, 255, 163) }
```

Background

The CSS property to change the background color of an element to Yxy 83.1630, 0.3140, 0.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(174, 255, 163) }
```

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

```
.background{ background-color:rgb(174,
255, 163) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor