

Converting Colors

Yxy(64.4792, 0.3149, 0.4226)

Have a look what the booklet for
Yxy(64.4792, 0.3149, 0.4226)
contains.

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Color

Yxy(64.4792, 0.3149, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	A3E299
RGB	163, 226, 153
RGB Percent	64%, 89%, 60%
CMY	0.3609, 0.1137, 0.4000
CMYK	0.28, 0.00, 0.32, 0.11
HSL	112°, 56%, 74%
HSV	112°, 32%, 89%
XYZ	48.0466, 64.4792, 40.0516
YIQ	198.8410, -14.1150, -36.0590

Conversions

Conversions Part 2

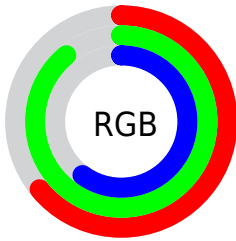
Format	Color
RYB	153, 226, 216
Decimal	10740377
CIELab	84.21, -33.66, 29.48
CIELCh	84, 44.745, 138.784
Yxy	64.4792, 0.3149, 0.4226
Android (android.graphics.Color)	4288930457 (0xFFA3E299)
YUV	198.8410, -22.5996, -31.4326
Hunter-Lab	80.2989, -33.7182, 26.6366

Details

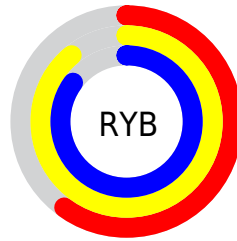
The Yxy color **64.4792, 0.3149, 0.4226** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8806, 0.3076, 0.2468**, and the grayscale version is **57.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1341, 0.3172, 0.3786**, and **32.9402, 0.3137, 0.4486** is the 20% darker color. If you saturate the color by 10%, you get **61.9014, 0.3148, 0.4568**, and if you desaturate by 10%, it is **67.5218, 0.3145, 0.3904**.

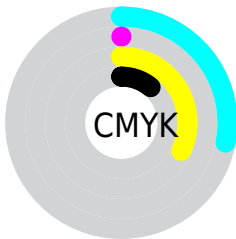
Distribution



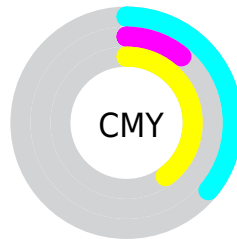
- Red (64%)
- Green (89%)
- Blue (60%)



- Red (60%)
- Yellow (89%)
- Blue (85%)



- Cyan (28%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4792, 0.3149, 0.4226 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 64.4792, 0.3149, 0.4226 by changing the saturation by 10% instead.

 64.4792, 0.3149,
0.4226

 64.4792, 0.3149,
0.4226


440.9181, 0.3152,
0.3761

 47.0389, 0.3144,
0.4340


 111.3008, 0.3153,
0.4058

 33.0664, 0.3136,
0.4485


 141.4508, 0.3154,
0.3995

 22.1773, 0.3120,
0.4676


176.6063, 0.3154,
0.3941

 13.9873, 0.3092,
0.4935

217.1515, 0.3154,
0.3895

 8.1118, 0.3037,
0.5306

263.4709, 0.3154,
0.3855

 4.1666, 0.2920,
0.5871

315.9489, 0.3153,

 1.7672, 0.2761,

0.3820

0.7239

374.9698, 0.3153,
0.3789

0.4666, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.4792, 0.3149,
0.4226

64.4792, 0.3149,
0.4226

61.9014, 0.3148,
0.4568

67.5218, 0.3145,
0.3904

59.7576, 0.3141,
0.4914

71.0419, 0.3139,
0.3609

58.0260, 0.3128,
0.5244

75.0619, 0.3129,
0.3346

56.6798, 0.3107,
0.5535

79.6003, 0.3119,
0.3114

■ 55.6888, 0.3082,
0.5761

■ 82.8780, 0.3140,
0.3009

■ 55.0180, 0.3053,
0.5909

■ 54.6872, 0.3033,
0.5974

Harmonies

Analogous

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



64.4792, 0.3690, 0.4298



64.4792, 0.3149, 0.4226



64.4792, 0.2629, 0.3814

Triad

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



64.4792, 0.3149, 0.4226



64.4792, 0.2213, 0.2474



64.4792, 0.4063, 0.3229

Complementary

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



64.4792, 0.3149, 0.4226



42.8806, 0.3076, 0.2468

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.



64.4792, 0.3597, 0.2831



64.4792, 0.3149, 0.4226



64.4792, 0.2527, 0.2409

Square

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



64.4792, 0.3149, 0.4226



64.4792, 0.2120, 0.2758



64.4792, 0.3024, 0.2540



64.4792, 0.4249, 0.3667

Rectangle

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



64.4792, 0.3149, 0.4226



64.4792, 0.2362, 0.3436



64.4792, 0.3024, 0.2540



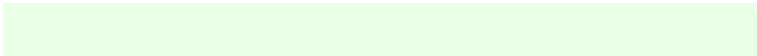
64.4792, 0.3932, 0.3088

Sweetspot

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



64.4819, 0.3149, 0.4226



94.5258, 0.3137, 0.3548



67.1013, 0.3648, 0.3985



20.0794, 0.3138, 0.3587



0.0000, 0.0000, 0.0000



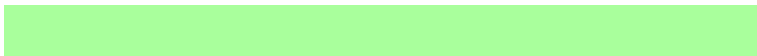
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4819, 0.3149, 0.4226



82.3546, 0.3149, 0.4462



64.4076, 0.2933, 0.3900



15.4265, 0.3136, 0.3531



31.2256, 0.3038, 0.5970



2.1936, 0.3118, 0.5906

Inverse Universe

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



42.8806, 0.3076, 0.2468



49.6207, 0.3060, 0.2291



43.1460, 0.3395, 0.2751



13.8358, 0.3116, 0.3057



9.8004, 0.2868, 0.1353



0.7059, 0.2923, 0.1384

Previews

White Background



This preview shows how the Yxy color 64.4792, 0.3149, 0.4226 looks on a white background.

Color Contrast Check

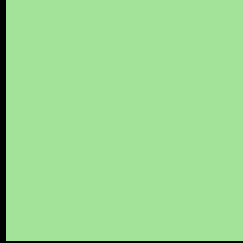
Large Text (above 18pt) WCAG AA × Fail

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 64.4792, 0.3149, 0.4226 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 64.4792, 0.3149, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 64.4792, 0.3149, 0.4226.



This preview shows how white text looks on a background with the Yxy color 64.4792, 0.3149, 0.4226.

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

64.4792, 0.3149, 0.4226

Protanopia

63.8450, 0.3719, 0.4001

Deuteranopia

63.8693, 0.3816, 0.3741



Tritanopia

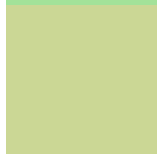
64.3420, 0.2756, 0.3090

Trichromacy



Original Color

64.4792, 0.3149, 0.4226



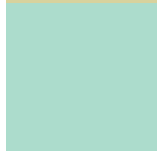
Protanomaly

63.4673, 0.3492, 0.4078



Deuteranomaly

63.1264, 0.3554, 0.3906



Tritanomaly

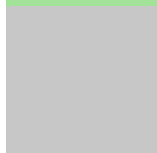
64.3167, 0.2899, 0.3485

Monochromacy



Original Color

64.4792, 0.3149, 0.4226



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.4174, 0.3141, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4792, 0.3149, 0.4226 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(163, 226, 153)` looks like.

```
.text, #text, p{  
    color:rgb(163, 226, 153)  
}
```

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(163, 226, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 226, 153) }
```

Border

The CSS property to change the border of an element to Yxy 64.4792, 0.3149, 0.4226 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(163, 226, 153) }
```

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

```
.border{ border-color:rgb(163, 226, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 226, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 226, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 226, 153);  
box-shadow:4px 4px 4px 4px rgb(163, 226,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4792, 0.3149, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 226, 153) }
```

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

```
.background{ background-color: rgb(163,  
226, 153) }
```

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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