

Converting Colors

$Yxy(65.3555, 0.3213, 0.4091)$

Have a look what the booklet for
Yxy(65.3555, 0.3213, 0.4091)
contains.

Yxy(65.3144, 0.3213, 0.4086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.3144, 0.3213, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	B2E0A0
RGB	178, 224, 160
RGB Percent	70%, 88%, 63%
CMY	0.3021, 0.1215, 0.3724
CMYK	0.21, 0.00, 0.29, 0.12
HSL	103°, 51%, 75%
HSV	103°, 29%, 88%
XYZ	51.3596, 65.3144, 43.1753
YIQ	202.9500, -6.8720, -29.6560

Conversions

Conversions Part 2

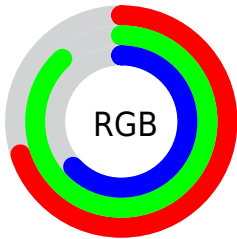
Format	Color
RYB	160, 224, 206
Decimal	11722912
CIELab	84.65, -26.56, 26.59
CIELCh	85, 37.587, 134.969
Yxy	65.3144, 0.3213, 0.4086
Android (android.graphics.Color)	4289912992 (0xFFB2E0A0)
YUV	202.9500, -21.1744, -21.8812
Hunter-Lab	80.8173, -27.9932, 24.8975

Details

The Yxy color **65.3144, 0.3213, 0.4086** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.6699, 0.3005, 0.2548**, and the grayscale version is **59.8273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9187, 0.3227, 0.3698**, and **33.7437, 0.3218, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **62.8065, 0.3234, 0.4408**, and if you desaturate by 10%, it is **68.1933, 0.3186, 0.3783**.

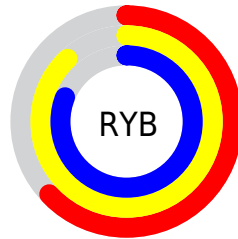
Distribution



Red (70%)

Green (88%)

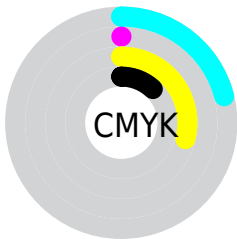
Blue (63%)



Red (63%)

Yellow (88%)

Blue (81%)

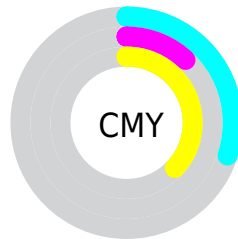


Cyan (21%)

Magenta (0%)

Yellow (29%)

Black (12%)



Cyan (30%)


Magenta (12%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3144, 0.3213, 0.4086 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 65.3144, 0.3213, 0.4086 by changing the saturation by 10% instead.


 65.3144, 0.3213,
0.4086


 65.3144, 0.3213,
0.4086


443.9209, 0.3182,
0.3695

 47.7161, 0.3217,
0.4181


 112.5017, 0.3204,
0.3946

 33.6021, 0.3221,
0.4302


 142.8595, 0.3200,
0.3892

 22.5881, 0.3223,
0.4459


178.2393, 0.3197,
0.3847

 14.2896, 0.3219,
0.4672

219.0254, 0.3193,
0.3808

 8.3224, 0.3204,
0.4975

265.6022, 0.3190,
0.3774

 4.3019, 0.3153,
0.5433

318.3541, 0.3187,

 1.8439, 0.3264,

0.3744

0.6736

377.6656, 0.3184,
0.3718

0.5143, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.3144, 0.3213,
0.4086

65.3144, 0.3213,
0.4086

62.8065, 0.3234,
0.4408

68.1933, 0.3186,
0.3783

60.6458, 0.3247,
0.4737

71.4490, 0.3155,
0.3506

58.8186, 0.3249,
0.5059

75.0980, 0.3122,
0.3256

57.3071, 0.3237,
0.5353

79.1532, 0.3090,
0.3033

■ 56.0914, 0.3210,
0.5599

■ 81.7955, 0.3141,
0.2990

■ 55.1493, 0.3171,
0.5780

■ 54.4512, 0.3124,
0.5893

■ 54.3661, 0.3118,
0.5907

Harmonies

Analogous

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



65.3144, 0.3660, 0.4121



65.3144, 0.3213, 0.4086



65.3144, 0.2763, 0.3778

Triad

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



65.3144, 0.3213, 0.4086



65.3144, 0.2328, 0.2623



65.3144, 0.3870, 0.3199

Complementary

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



65.3144, 0.3213, 0.4086



43.6699, 0.3005, 0.2548

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.



65.3144, 0.3463, 0.2863



65.3144, 0.3213, 0.4086



65.3144, 0.2577, 0.2537

Square

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



65.3144, 0.3213, 0.4086



65.3144, 0.2275, 0.2894



65.3144, 0.2985, 0.2627



65.3144, 0.4061, 0.3574

Rectangle

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



65.3144, 0.3213, 0.4086



65.3144, 0.2521, 0.3477



65.3144, 0.2985, 0.2627



65.3144, 0.3752, 0.3080

Sweetspot

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



65.3172, 0.3213, 0.4086



95.6103, 0.3156, 0.3519



62.4746, 0.3610, 0.3813



20.3214, 0.3161, 0.3558



0.0000, 0.0000, 0.0000



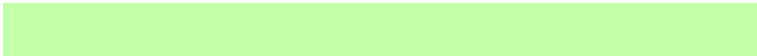
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3172, 0.3213, 0.4086



85.6447, 0.3226, 0.4267



63.8453, 0.3005, 0.3932



15.5223, 0.3158, 0.3529



31.6924, 0.3127, 0.5899



2.2410, 0.3241, 0.5809

Inverse Universe

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



43.6699, 0.3005, 0.2548



52.2734, 0.2973, 0.2392



45.6647, 0.3280, 0.2724



13.7324, 0.3093, 0.3056



7.6150, 0.2512, 0.1157



0.5721, 0.2623, 0.1219

Previews

White Background



This preview shows how the Yxy color 65.3144, 0.3213, 0.4086 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 65.3144, 0.3213, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

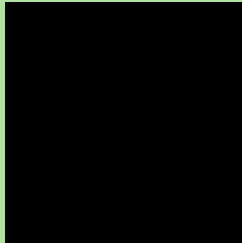
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3144, 0.3213, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 65.3144, 0.3213, 0.4086.

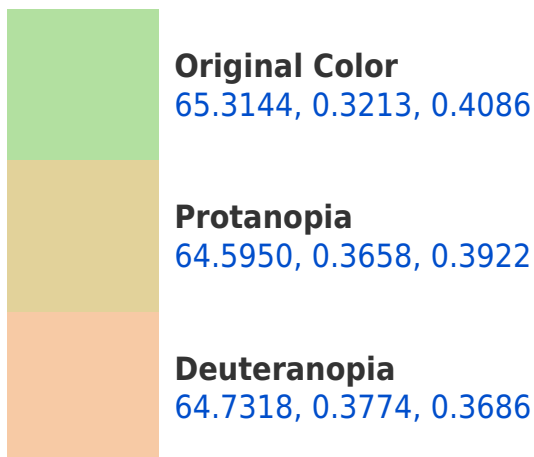


This preview shows how white text looks on a background with the Yxy color 65.3144, 0.3213, 0.4086.

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





Tritanopia

65.3742, 0.2845, 0.3094

Trichromacy



Original Color

65.3144, 0.3213, 0.4086

Protanomaly

64.5565, 0.3492, 0.3983

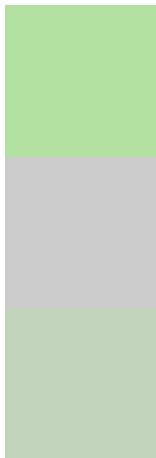
Deuteranomaly

64.2671, 0.3559, 0.3826

Tritanomaly

65.0381, 0.2980, 0.3433

Monochromacy



Original Color

65.3144, 0.3213, 0.4086

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.6457, 0.3166, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3144, 0.3213, 0.4086 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(178, 224, 160)` looks like.

```
.text, #text, p{  
    color:rgb(178, 224, 160)  
}
```

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(178, 224, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 224, 160) }
```

Border

The CSS property to change the border of an element to Yxy 65.3144, 0.3213, 0.4086 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(178, 224, 160) }
```

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

```
.border{ border-color:rgb(178, 224, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 224, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 224, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 224, 160);  
box-shadow:4px 4px 4px 4px rgb(178, 224,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3144, 0.3213, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 224, 160) }
```

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

```
.background{ background-color: rgb(178,  
224, 160) }
```

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