

Converting Colors

$Yxy(64.7465, 0.2859, 0.3760)$

Have a look what the booklet for
Yxy(64.7465, 0.2859, 0.3760)
contains.

Yxy(64.6461, 0.2860, 0.3762)	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(64.6461, 0.2860, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	97E2BD
RGB	151, 226, 189
RGB Percent	59%, 89%, 74%
CMY	0.4078, 0.1137, 0.2587
CMYK	0.33, 0.00, 0.16, 0.11
HSL	150°, 56%, 74%
HSV	150°, 33%, 89%
XYZ	49.1462, 64.6461, 58.0475
YIQ	199.3570, -32.8230, -27.4070

Conversions

Conversions Part 2

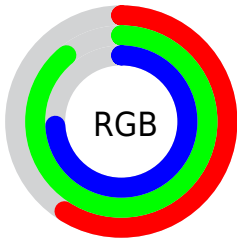
Format	Color
RYB	151, 201, 226
Decimal	9953981
CIELab	84.30, -31.02, 10.76
CIELCh	84, 32.830, 160.863
Yxy	64.6461, 0.2860, 0.3762
Android (android.graphics.Color)	4288144061 (0xFF97E2BD)
YUV	199.3570, -5.1060, -42.4091
Hunter-Lab	80.4028, -31.5969, 13.4771

Details

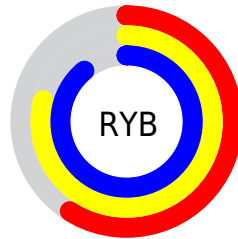
The Yxy color **64.6461, 0.2860, 0.3762** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.9318, 0.3519, 0.2865**, and the grayscale version is **57.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3780, 0.2896, 0.3394**, and **33.0684, 0.2786, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **62.2242, 0.2794, 0.3934**, and if you desaturate by 10%, it is **67.5250, 0.2935, 0.3603**.

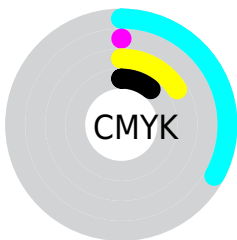
Distribution



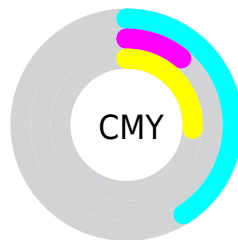
- Red (59%)
- Green (89%)
- Blue (74%)



- Red (59%)
- Yellow (79%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6461, 0.2860, 0.3762 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 64.6461, 0.2860, 0.3762 by changing the saturation by 10% instead.


 64.6461, 0.2860,
0.3762

 64.6461, 0.2860,
0.3762


441.5191, 0.2990,
0.3531

 47.1742, 0.2829,
0.3818

 111.5409, 0.2906,
0.3679

 33.1734, 0.2789,
0.3889


 141.7326, 0.2924,
0.3648

 22.2593, 0.2738,
0.3982


176.9329, 0.2939,
0.3621

 14.0475, 0.2668,
0.4109

217.5264, 0.2952,
0.3598

 8.1537, 0.2567,
0.4292

263.8974, 0.2963,
0.3578

 4.1935, 0.2412,
0.4579

316.4302, 0.2973,

 1.7824, 0.2135,

0.3561

0.5090

375.5093, 0.2982,
0.3545

0.4762, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.6461, 0.2860,
0.3762

64.6461, 0.2860,
0.3762

62.2242, 0.2794,
0.3934

67.5250, 0.2935,
0.3603

60.2267, 0.2740,
0.4118


70.8755, 0.3016,
0.3458

58.6292, 0.2701,
0.4310


74.7214, 0.3100,
0.3328

57.4014, 0.2681,
0.4505


79.0826, 0.3185,
0.3213

 56.5086, 0.2682,
0.4698

 82.2304, 0.3207,
0.3107

 55.9088, 0.2702,
0.4884

 82.8741, 0.3140,
0.3009

 55.6226, 0.2724,
0.5005

Harmonies

Analogous

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



64.6461, 0.3263, 0.4000



64.6461, 0.2860, 0.3762



64.6461, 0.2542, 0.3375

Triad

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



64.6461, 0.2860, 0.3762



64.6461, 0.2603, 0.2624



64.6461, 0.3936, 0.3502

Complementary

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



64.6461, 0.2860, 0.3762



41.9318, 0.3519, 0.2865

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.



64.6461, 0.3738, 0.3169



64.6461, 0.2860, 0.3762



64.6461, 0.2949, 0.2683

Square

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



64.6461, 0.2860, 0.3762



64.6461, 0.2403, 0.2727



64.6461, 0.3367, 0.2878



64.6461, 0.3898, 0.3810

Rectangle

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



64.6461, 0.2860, 0.3762



64.6461, 0.2415, 0.3110



64.6461, 0.3367, 0.2878



64.6461, 0.3895, 0.3391

Sweetspot

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



64.6488, 0.2860, 0.3762



94.6970, 0.3042, 0.3416



67.3836, 0.3343, 0.4199



20.1211, 0.3030, 0.3435



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.



64.6488, 0.2860, 0.3762



82.6865, 0.2812, 0.3883



66.4645, 0.2656, 0.3289



15.4527, 0.3047, 0.3408



31.7559, 0.2716, 0.4978



2.2192, 0.2638, 0.4698

Inverse Universe

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



41.9318, 0.3519, 0.2865



48.3677, 0.3636, 0.2772



40.5365, 0.3900, 0.3292



13.8126, 0.3215, 0.3175



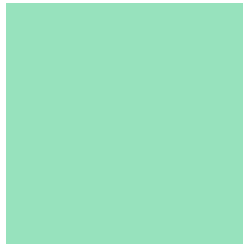
9.9081, 0.4982, 0.2518



0.7048, 0.4635, 0.2327

Previews

White Background



This preview shows how the Yxy color 64.6461, 0.2860, 0.3762 looks on a white background.

Color Contrast Check

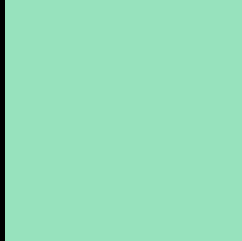
Large Text (above 18pt) WCAG AA × Fail

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 64.6461, 0.2860, 0.3762 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

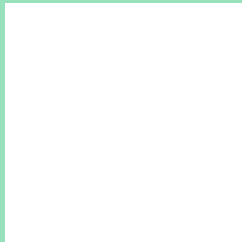
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6461, 0.2860, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 64.6461, 0.2860, 0.3762.



This preview shows how white text looks on a background with the Yxy color 64.6461, 0.2860, 0.3762.

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

64.6461, 0.2860, 0.3762

Protanopia

64.1119, 0.3421, 0.3622

Deuteranopia

63.7983, 0.3448, 0.3378



Tritanopia

64.3545, 0.2643, 0.3075

Trichromacy



Original Color

64.6461, 0.2860, 0.3762



Protanomaly

63.6219, 0.3197, 0.3675



Deuteranomaly

63.2317, 0.3207, 0.3513



Tritanomaly

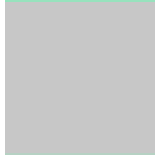
64.5780, 0.2716, 0.3313

Monochromacy



Original Color

64.6461, 0.2860, 0.3762



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.4861, 0.3023, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6461, 0.2860, 0.3762 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(151, 226, 189)` looks like.

```
.text, #text, p{  
    color:rgb(151, 226, 189)  
}
```

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(151, 226, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 226, 189) }
```

Border

The CSS property to change the border of an element to Yxy 64.6461, 0.2860, 0.3762 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(151, 226, 189) }
```

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

```
.border{ border-color:rgb(151, 226, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 226, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 226, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 226, 189);  
box-shadow:4px 4px 4px 4px rgb(151, 226,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6461, 0.2860, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 226, 189) }
```

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

```
.background{ background-color: rgb(151,  
226, 189) }
```

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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