

Converting Colors

$Yxy(62.5916, 0.2906, 0.4259)$

Have a look what the booklet for
Yxy(62.5916, 0.2906, 0.4259)
contains.

Yxy(62.5103, 0.2908, 0.4254)	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(62.5103, 0.2908, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	80E49D
RGB	128, 228, 157
RGB Percent	50%, 89%, 62%
CMY	0.4980, 0.1059, 0.3844
CMYK	0.44, 0.00, 0.31, 0.11
HSL	137°, 65%, 70%
HSV	137°, 44%, 89%
XYZ	42.7315, 62.5103, 41.7029
YIQ	190.0060, -36.8090, -43.2810

Conversions

Conversions Part 2

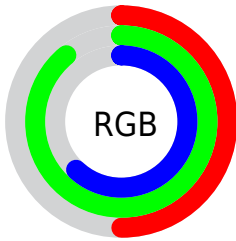
Format	Color
RYB	128, 206, 228
Decimal	8447133
CIELab	83.18, -44.48, 25.76
CIElCh	83, 51.403, 149.921
Yxy	62.5103, 0.2908, 0.4254
Android (android.graphics.Color)	4286637213 (0xFF80E49D)
YUV	190.0060, -16.2720, -54.3793
Hunter-Lab	79.0635, -41.8869, 24.0712

Details

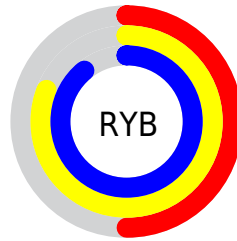
The Yxy color **62.5103, 0.2908, 0.4254** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.0623, 0.3463, 0.2496**, and the grayscale version is **51.6099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5878, 0.2946, 0.3770**, and **31.8646, 0.2834, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **60.4218, 0.2874, 0.4524**, and if you desaturate by 10%, it is **65.0745, 0.2951, 0.3998**.

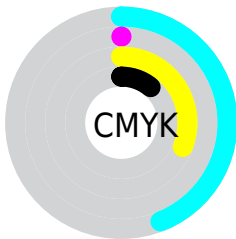
Distribution



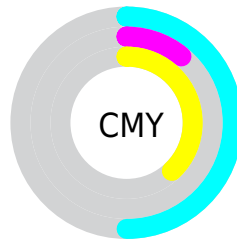
- Red (50%)
- Green (89%)
- Blue (62%)



- Red (50%)
- Yellow (81%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5103, 0.2908, 0.4254 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 62.5103, 0.2908, 0.4254 by changing the saturation by 10% instead.


 62.5103, 0.2908,
0.4254


 62.5103, 0.2908,
0.4254


433.7901, 0.3027,
0.3768


 45.4452, 0.2876,
0.4376


 108.4627, 0.2953,
0.4077

 31.8082, 0.2833,
0.4532


 138.1188, 0.2969,
0.4011

 21.2150, 0.2774,
0.4739


 172.7406, 0.2983,
0.3954

 13.2813, 0.2688,
0.5026

212.7126, 0.2994,
0.3906

 7.6225, 0.2554,
0.5446

258.4192, 0.3004,
0.3865

 3.8544, 0.2320,
0.6106

310.2447, 0.3013,

 1.5924, 0.1591,

0.3828

0.8409

368.5735, 0.3020,
0.3796

0.3525, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.5103, 0.2908,
0.4254

62.5103, 0.2908,
0.4254

60.4218, 0.2874,
0.4524

65.0745, 0.2951,
0.3998

58.7715, 0.2852,
0.4799


68.1338, 0.3000,
0.3762

57.5286, 0.2846,
0.5067

71.7157, 0.3053,
0.3548


56.6549, 0.2856,
0.5315

75.8438, 0.3107,
0.3357

 56.1041, 0.2881,
0.5530

 80.5397, 0.3160,
0.3189

 55.8827, 0.2901,
0.5642

 83.9143, 0.3145,
0.3037

 83.9687, 0.3139,
0.3029

Harmonies

Analogous

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



62.5103, 0.3541, 0.4485



62.5103, 0.2908, 0.4254



62.5103, 0.2367, 0.3657

Triad

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



62.5103, 0.2908, 0.4254



62.5103, 0.2186, 0.2301



62.5103, 0.4340, 0.3392

Complementary

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



62.5103, 0.2908, 0.4254



36.0623, 0.3463, 0.2496

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.



62.5103, 0.3900, 0.2919



62.5103, 0.2908, 0.4254



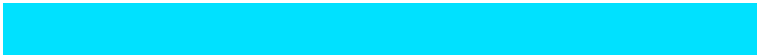
62.5103, 0.2625, 0.2319

Square

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



62.5103, 0.2908, 0.4254



62.5103, 0.1988, 0.2521



62.5103, 0.3248, 0.2539



62.5103, 0.4401, 0.3885

Rectangle

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



62.5103, 0.2908, 0.4254



62.5103, 0.2124, 0.3203



62.5103, 0.3248, 0.2539



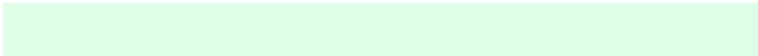
62.5103, 0.4231, 0.3228

Sweetspot

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



62.5129, 0.2908, 0.4254



92.8211, 0.3057, 0.3532



69.2821, 0.3560, 0.4454



19.6327, 0.3045, 0.3578



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.



62.5129, 0.2908, 0.4254



78.0057, 0.2876, 0.4509



64.5519, 0.2644, 0.3568



16.1575, 0.3076, 0.3461



32.2855, 0.2893, 0.5616



2.4015, 0.2812, 0.5325

Inverse Universe

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



36.0623, 0.3463, 0.2496



39.6068, 0.3564, 0.2340



34.1288, 0.4026, 0.3040



14.5403, 0.3182, 0.3125



11.0510, 0.4105, 0.2035



0.8326, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 62.5103, 0.2908, 0.4254 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 62.5103, 0.2908, 0.4254 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 62.5103, 0.2908, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 62.5103, 0.2908, 0.4254.



This preview shows how white text looks on a background with the Yxy color 62.5103, 0.2908, 0.4254.

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

62.5103, 0.2908, 0.4254

Protanopia

61.7788, 0.3690, 0.3967

Deuteranopia

61.5938, 0.3737, 0.3664



Tritanopia

62.3099, 0.2565, 0.3069

Trichromacy



Original Color

62.5103, 0.2908, 0.4254



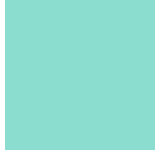
Protanomaly

61.0189, 0.3363, 0.4074



Deuteranomaly

60.3163, 0.3391, 0.3874



Tritanomaly

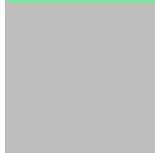
62.2365, 0.2687, 0.3481

Monochromacy



Original Color

62.5103, 0.2908, 0.4254



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.6156, 0.3029, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5103, 0.2908, 0.4254 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(128, 228, 157)` looks like.

```
.text, #text, p{  
    color:rgb(128, 228, 157)  
}
```

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(128, 228, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 228, 157) }
```

Border

The CSS property to change the border of an element to Yxy 62.5103, 0.2908, 0.4254 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(128, 228, 157) }
```

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

```
.border{ border-color:rgb(128, 228, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 228, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 228, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 228, 157);  
box-shadow:4px 4px 4px 4px rgb(128, 228,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5103, 0.2908, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 228, 157) }
```

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

```
.background{ background-color: rgb(128,  
228, 157) }
```

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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