

Converting Colors

Yxy(63.1460, 0.2962, 0.4085)

Have a look what the booklet for
Yxy(63.1460, 0.2962, 0.4085)
contains.

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Color

Yxy(63.2569, 0.2962, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	92E2A6
RGB	146, 226, 166
RGB Percent	57%, 89%, 65%
CMY	0.4277, 0.1137, 0.3490
CMYK	0.35, 0.00, 0.27, 0.11
HSL	135°, 58%, 73%
HSV	135°, 35%, 89%
XYZ	45.9233, 63.2569, 45.8613
YIQ	195.2400, -28.4200, -35.6200

Conversions

Conversions Part 2

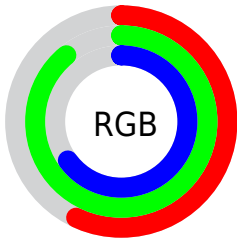
Format	Color
RYB	146, 210, 226
Decimal	9626278
CIELab	83.58, -36.87, 21.77
CIElCh	84, 42.813, 149.444
Yxy	63.2569, 0.2962, 0.4080
Android (android.graphics.Color)	4287816358 (0xFF92E2A6)
YUV	195.2400, -14.4153, -43.1835
Hunter-Lab	79.5342, -36.1185, 21.4860

Details

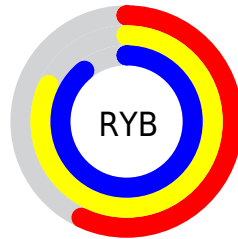
The Yxy color **63.2569, 0.2962, 0.4080** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.1618, 0.3351, 0.2614**, and the grayscale version is **54.8161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2970, 0.2996, 0.3656**, and **32.2397, 0.2908, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **60.8089, 0.2924, 0.4353**, and if you desaturate by 10%, it is **66.2015, 0.3006, 0.3827**.

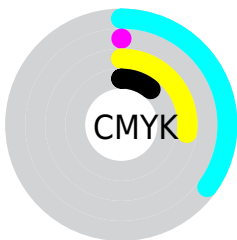
Distribution



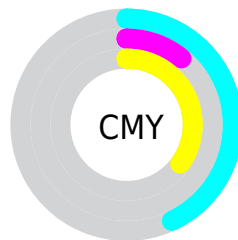
- Red (57%)
- Green (89%)
- Blue (65%)



- Red (57%)
- Yellow (82%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)





- Cyan (43%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2569, 0.2962, 0.4080 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 63.2569, 0.2962, 0.4080 by changing the saturation by 10% instead.


 63.2569, 0.2962,
0.4080


 63.2569, 0.2962,
0.4080


436.5012, 0.3050,
0.3686

 46.0491, 0.2938,
0.4178

 109.5401, 0.2995,
0.3937

 32.2845, 0.2907,
0.4302


 139.3842, 0.3007,
0.3884

 21.5789, 0.2865,
0.4467


174.2092, 0.3018,
0.3838

 13.5478, 0.2803,
0.4695

214.3994, 0.3026,
0.3799

 7.8069, 0.2707,
0.5027

260.3394, 0.3033,
0.3765

 3.9716, 0.2541,
0.5550

312.4134, 0.3040,

 1.6577, 0.2297,

0.3735

0.7203

371.0059, 0.3045,
0.3709

0.3960, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.2569, 0.2962,
0.4080

63.2569, 0.2962,
0.4080

60.8089, 0.2924,
0.4353

66.2015, 0.3006,
0.3827

58.8220, 0.2895,
0.4638

69.6599, 0.3053,
0.3597

57.2688, 0.2877,
0.4925

73.6584, 0.3101,
0.3391

56.1154, 0.2874,
0.5198

78.2189, 0.3149,
0.3210

■ 55.3226, 0.2885,
0.5444

■ 82.6076, 0.3168,
0.3050

■ 54.8428, 0.2911,
0.5648

■ 82.8820, 0.3140,
0.3009

■ 54.6937, 0.2924,
0.5725

Harmonies

Analogous

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



63.2569, 0.3494, 0.4274



63.2569, 0.2962, 0.4080



63.2569, 0.2500, 0.3604

Triad

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



63.2569, 0.2962, 0.4080



63.2569, 0.2328, 0.2456



63.2569, 0.4128, 0.3383

Complementary

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



63.2569, 0.2962, 0.4080



41.1618, 0.3351, 0.2614

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.



63.2569, 0.3761, 0.2975



63.2569, 0.2962, 0.4080



63.2569, 0.2702, 0.2463

Square

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



63.2569, 0.2962, 0.4080



63.2569, 0.2160, 0.2656



63.2569, 0.3224, 0.2649



63.2569, 0.4192, 0.3803

Rectangle

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



63.2569, 0.2962, 0.4080



63.2569, 0.2287, 0.3236



63.2569, 0.3224, 0.2649



63.2569, 0.4036, 0.3242

Sweetspot

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



63.2595, 0.2962, 0.4080



93.7819, 0.3074, 0.3504



69.5963, 0.3506, 0.4218



19.9224, 0.3067, 0.3532



0.0000, 0.0000, 0.0000



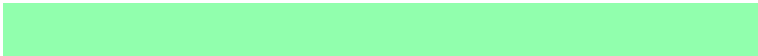
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2595, 0.2962, 0.4080



80.5817, 0.2931, 0.4293



64.9626, 0.2736, 0.3542



15.3933, 0.3082, 0.3471



31.2135, 0.2917, 0.5700



2.1778, 0.2833, 0.5400

Inverse Universe

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



41.1618, 0.3351, 0.2614



47.1934, 0.3417, 0.2467



39.4592, 0.3758, 0.3057



13.8739, 0.3176, 0.3116



10.8867, 0.3961, 0.1956



0.7687, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 63.2569, 0.2962, 0.4080 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 63.2569, 0.2962, 0.4080 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 63.2569, 0.2962, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 63.2569, 0.2962, 0.4080.



This preview shows how white text looks on a background with the Yxy color 63.2569, 0.2962, 0.4080.

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

63.2569, 0.2962, 0.4080

Protanopia

62.5896, 0.3612, 0.3863

Deuteranopia

62.3507, 0.3670, 0.3586



Tritanopia

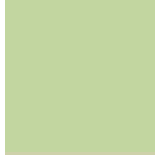
63.0398, 0.2650, 0.3085

Trichromacy



Original Color

63.2569, 0.2962, 0.4080



Protanomaly

62.1005, 0.3348, 0.3950



Deuteranomaly

61.6250, 0.3382, 0.3755



Tritanomaly

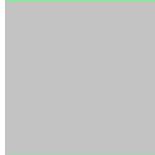
62.7584, 0.2764, 0.3427

Monochromacy



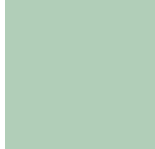
Original Color

63.2569, 0.2962, 0.4080



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

56.9504, 0.3062, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2569, 0.2962, 0.4080 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(146, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(146, 226, 166)  
}
```

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(146, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 226, 166) }
```

Border

The CSS property to change the border of an element to Yxy 63.2569, 0.2962, 0.4080 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(146, 226, 166) }
```

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

```
.border{ border-color:rgb(146, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 226, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 226, 166); box-shadow:4px 4px 4px 4px rgb(146, 226, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2569, 0.2962, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 226, 166) }
```

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

```
.background{ background-color: rgb(146,  
226, 166) }
```

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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