

Converting Colors

$Yxy(60.4991, 0.2745, 0.4086)$

Have a look what the booklet for
Yxy(60.4991, 0.2745, 0.4086)
contains.

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Color

Yxy(60.5085, 0.2743, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	6DE2A9
RGB	109, 226, 169
RGB Percent	43%, 89%, 66%
CMY	0.5727, 0.1137, 0.3373
CMYK	0.52, 0.00, 0.25, 0.11
HSL	151°, 67%, 66%
HSV	151°, 52%, 89%
XYZ	40.6602, 60.5085, 47.0638
YIQ	184.5190, -51.4350, -42.5310

Conversions

Conversions Part 2

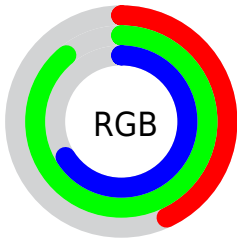
Format	Color
RYB	109, 186, 226
Decimal	7201449
CIELab	82.11, -46.16, 17.94
CIELCh	82, 49.525, 158.758
Yxy	60.5085, 0.2743, 0.4082
Android (android.graphics.Color)	4285391529 (0xFF6DE2A9)
YUV	184.5190, -7.6509, -66.2302
Hunter-Lab	77.7872, -42.8238, 18.5787

Details

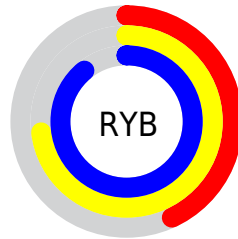
The Yxy color **60.5085, 0.2743, 0.4082** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.8541, 0.3865, 0.2640**, and the grayscale version is **48.2957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1173, 0.2787, 0.3641**, and **30.6146, 0.2633, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **58.8613, 0.2702, 0.4270**, and if you desaturate by 10%, it is **62.5638, 0.2799, 0.3902**.

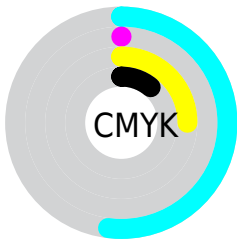
Distribution



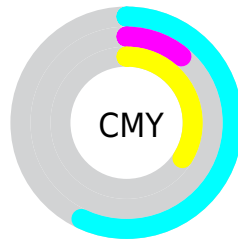
- Red (43%)
- Green (89%)
- Blue (66%)



- Red (43%)
- Yellow (73%)
- Blue (89%)



- Cyan (52%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




- Cyan (57%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5085, 0.2743, 0.4082 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 60.5085, 0.2743, 0.4082 by changing the saturation by 10% instead.


 60.5085, 0.2743,
0.4082


 60.5085, 0.2743,
0.4082


426.4696, 0.2936,
0.3683


 43.8286, 0.2695,
0.4182


 105.5670, 0.2813,
0.3937

 30.5358, 0.2633,
0.4311


 134.7143, 0.2840,
0.3882

 20.2456, 0.2550,
0.4482


 168.7863, 0.2862,
0.3836

 12.5737, 0.2435,
0.4721

208.1674, 0.2881,
0.3797

 7.1357, 0.2266,
0.5074

253.2418, 0.2898,
0.3763

 3.5471, 0.1994,
0.5645

304.3941, 0.2912,

 1.4236, 0.0832,

0.3733

0.8011

362.0085, 0.2925,
0.3706

■ 0.2340, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.5085, 0.2743,
0.4082

■ 60.5085, 0.2743,
0.4082

■ 58.8613, 0.2702,
0.4270

■ 62.5638, 0.2799,
0.3902

■ 57.5852, 0.2679,
0.4463


■ 65.0465, 0.2868,
0.3733


■ 56.6486, 0.2675,
0.4655

■ 67.9833, 0.2944,
0.3578


■ 56.0108, 0.2692,
0.4840

■ 71.3966, 0.3027,
0.3437

 55.6561, 0.2718,
0.4986

 75.3074, 0.3112,
0.3311

 79.7352, 0.3198,
0.3199

 82.3156, 0.3198,
0.3094

 82.8776, 0.3140,
0.3009

Harmonies

Analogous

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



60.5085, 0.3352, 0.4431



60.5085, 0.2743, 0.4082



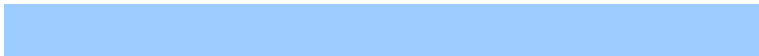
60.5085, 0.2268, 0.3450

Triad

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



60.5085, 0.2743, 0.4082



60.5085, 0.2311, 0.2306



60.5085, 0.4367, 0.3535

Complementary

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



60.5085, 0.2743, 0.4082



29.8541, 0.3865, 0.2640

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.



60.5085, 0.4037, 0.3058



60.5085, 0.2743, 0.4082



60.5085, 0.2803, 0.2385

Square

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



60.5085, 0.2743, 0.4082



60.5085, 0.2045, 0.2451



60.5085, 0.3440, 0.2652



60.5085, 0.4315, 0.4008

Rectangle

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



60.5085, 0.2743, 0.4082



60.5085, 0.2079, 0.3027



60.5085, 0.3440, 0.2652



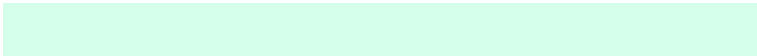
60.5085, 0.4298, 0.3373

Sweetspot

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



60.5109, 0.2743, 0.4082



91.8514, 0.2991, 0.3497



63.7700, 0.3430, 0.4755



19.4620, 0.2974, 0.3526



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.



60.5109, 0.2743, 0.4082



77.2690, 0.2700, 0.4282



63.1384, 0.2460, 0.3288



15.4540, 0.3047, 0.3407



31.7730, 0.2711, 0.4958



2.2204, 0.2634, 0.4681

Inverse Universe

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



29.8541, 0.3865, 0.2640



32.8442, 0.4102, 0.2536



28.2046, 0.4624, 0.3294



13.8113, 0.3216, 0.3176



9.8918, 0.5006, 0.2531



0.7037, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 60.5085, 0.2743, 0.4082 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 60.5085, 0.2743, 0.4082 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 60.5085, 0.2743, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 60.5085, 0.2743, 0.4082.



This preview shows how white text looks on a background with the Yxy color 60.5085, 0.2743, 0.4082.

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

60.5085, 0.2743, 0.4082

Protanopia

59.7794, 0.3567, 0.3818

Deuteranopia

59.3206, 0.3582, 0.3504



Tritanopia

60.1359, 0.2473, 0.3063

Trichromacy



Original Color

60.5085, 0.2743, 0.4082



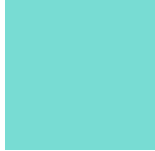
Protanomaly

58.5443, 0.3208, 0.3917



Deuteranomaly

57.7245, 0.3215, 0.3703



Tritanomaly

59.8826, 0.2565, 0.3407

Monochromacy



Original Color

60.5085, 0.2743, 0.4082



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.7313, 0.2948, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5085, 0.2743, 0.4082 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(109, 226, 169)` looks like.

```
.text, #text, p{  
    color:rgb(109, 226, 169)  
}
```

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(109, 226, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 226, 169) }
```

Border

The CSS property to change the border of an element to Yxy 60.5085, 0.2743, 0.4082 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(109, 226, 169) }
```

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

```
.border{ border-color:rgb(109, 226, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 226, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 226, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 226, 169);  
box-shadow:4px 4px 4px 4px rgb(109, 226,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5085, 0.2743, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 226, 169) }
```

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

```
.background{ background-color: rgb(109,  
226, 169) }
```

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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