

Converting Colors

$Yxy(42.1878, 0.2936, 0.4267)$

Have a look what the booklet for
Yxy(42.1878, 0.2936, 0.4267)
contains.

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Color

Yxy(42.1245, 0.2931, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	6DBF82
RGB	109, 191, 130
RGB Percent	43%, 75%, 51%
CMY	0.5728, 0.2509, 0.4901
CMYK	0.43, 0.00, 0.32, 0.25
HSL	135°, 39%, 59%
HSV	135°, 43%, 75%
XYZ	28.9624, 42.1245, 27.7273
YIQ	159.5280, -29.2910, -36.3550

Conversions

Conversions Part 2

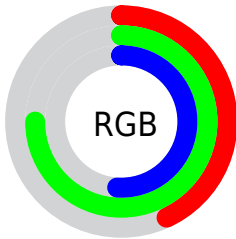
Format	Color
RYB	109, 174, 191
Decimal	7192450
CIELab	70.96, -38.35, 23.16
CIELCh	71, 44.800, 148.877
Yxy	42.1245, 0.2931, 0.4263
Android (android.graphics.Color)	4285382530 (0xFF6DBF82)
YUV	159.5280, -14.5573, -44.3131
Hunter-Lab	64.9034, -33.9272, 20.1032

Details

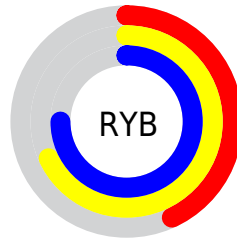
The Yxy color **42.1245, 0.2931, 0.4263** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.9042, 0.3416, 0.2488**, and the grayscale version is **34.9994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4462, 0.2979, 0.4069**, and **19.2548, 0.2847, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **40.6889, 0.2899, 0.4540**, and if you desaturate by 10%, it is **43.8794, 0.2971, 0.4000**.

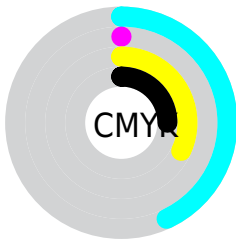
Distribution



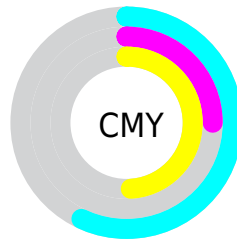
- Red (43%)
- Green (75%)
- Blue (51%)



- Red (43%)
- Yellow (68%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (32%)
- Black (25%)




- Cyan (57%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1245, 0.2931, 0.4263 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 42.1245, 0.2931, 0.4263 by changing the saturation by 10% instead.


 42.1245, 0.2931,
0.4263


 42.1245, 0.2931,
0.4263


354.9988, 0.3045,
0.3741


 29.1988, 0.2896,
0.4405


 78.3880, 0.2977,
0.4064


 19.2313, 0.2848,
0.4596


 102.4946, 0.2993,
0.3992

 11.8375, 0.2776,
0.4862

 131.0970, 0.3006,
0.3933

 6.6331, 0.2660,
0.5257

 164.5795, 0.3016,
0.3882

 3.2337, 0.2452,
0.5894

203.3265, 0.3025,
0.3839

 1.2549, 0.1472,
0.8528

247.7225, 0.3033,

 0.1059, 0.0000,

0.3802

1.0000

298.1518, 0.3040,
0.3769

■ 0.0000, 0.0000,
0.0000

■ 42.1245, 0.2931,
0.4263

■ 42.1245, 0.2931,
0.4263

■ 40.6889, 0.2899,
0.4540

■ 43.8794, 0.2971,
0.4000

■ 39.5480, 0.2877,
0.4823

■ 45.9659, 0.3017,
0.3758

■ 38.6819, 0.2869,
0.5098


■ 48.4024, 0.3064,
0.3538


■ 38.0661, 0.2876,
0.5351

■ 51.2039, 0.3113,
0.3343


■ 37.6713, 0.2897,
0.5569

■ 54.3850, 0.3161,
0.3171

 37.4883, 0.2916,
0.5696

 57.9591, 0.3207,
0.3021

 61.9392, 0.3251,
0.2890

 65.0335, 0.3240,
0.2768

 65.7463, 0.3157,
0.2663

Harmonies

Analogous

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



42.1245, 0.3560, 0.4477



42.1245, 0.2931, 0.4263



42.1245, 0.2387, 0.3678

Triad

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



42.1245, 0.2931, 0.4263



42.1245, 0.2180, 0.2310



42.1245, 0.4323, 0.3374

Complementary

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



42.1245, 0.2931, 0.4263



24.9042, 0.3416, 0.2488

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.



42.1245, 0.3875, 0.2906



42.1245, 0.2931, 0.4263



42.1245, 0.2609, 0.2319

Square

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



42.1245, 0.2931, 0.4263



42.1245, 0.1992, 0.2537



42.1245, 0.3224, 0.2533



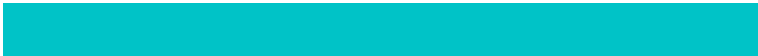
42.1245, 0.4399, 0.3866

Rectangle

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



42.1245, 0.2931, 0.4263



42.1245, 0.2140, 0.3227



42.1245, 0.3224, 0.2533



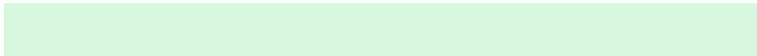
42.1245, 0.4210, 0.3212

Sweetspot

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



42.1262, 0.2931, 0.4263



86.5643, 0.3063, 0.3544



46.9706, 0.3573, 0.4408



18.7830, 0.3052, 0.3591



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.1262, 0.2931, 0.4263



72.8971, 0.2899, 0.4536



43.4353, 0.2672, 0.3601



10.6888, 0.3082, 0.3465



24.6450, 0.2910, 0.5674



0.9764, 0.2772, 0.5178

Inverse Universe

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



24.9042, 0.3416, 0.2488



37.8390, 0.3507, 0.2319



23.6013, 0.3947, 0.3010



9.6533, 0.3176, 0.3121



8.5758, 0.3976, 0.1964



0.3460, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 42.1245, 0.2931, 0.4263 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 42.1245, 0.2931, 0.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

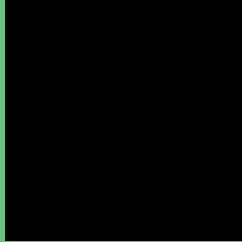
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1245, 0.2931, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 42.1245, 0.2931, 0.4263.



This preview shows how white text looks on a background with the Yxy color 42.1245, 0.2931, 0.4263.

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

42.1245, 0.2931, 0.4263

Protanopia

41.7314, 0.3691, 0.3980

Deuteranopia

41.6066, 0.3751, 0.3678



Tritanopia

42.1833, 0.2586, 0.3088

Trichromacy



Original Color

42.1245, 0.2931, 0.4263



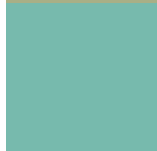
Protanomaly

41.3923, 0.3375, 0.4094



Deuteranomaly

40.7060, 0.3407, 0.3876



Tritanomaly

42.0569, 0.2710, 0.3485

Monochromacy



Original Color

42.1245, 0.2931, 0.4263



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

36.9585, 0.3040, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1245, 0.2931, 0.4263 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, 191, 130)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 130)  
}
```

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, 191, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 130) }
```

Border

The CSS property to change the border of an element to Yxy 42.1245, 0.2931, 0.4263 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, 191, 130) }
```

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

```
.border{ border-color:rgb(109, 191, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 191, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 191, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 191, 130);  
box-shadow:4px 4px 4px 4px rgb(109, 191,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1245, 0.2931, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 130) }
```

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

```
.background{ background-color: rgb(109,  
191, 130) }
```

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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