

Converting Colors

Yxy(46.1190, 0.2946, 0.4264)

Have a look what the booklet for
Yxy(46.1190, 0.2946, 0.4264)
contains.

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Color

Yxy(46.3091, 0.2950, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	74C787
RGB	116, 199, 135
RGB Percent	45%, 78%, 53%
CMY	0.5450, 0.2196, 0.4706
CMYK	0.42, 0.00, 0.32, 0.22
HSL	134°, 43%, 62%
HSV	134°, 42%, 78%
XYZ	32.0009, 46.3091, 30.1676
YIQ	166.8870, -28.9240, -37.5000

Conversions

Conversions Part 2

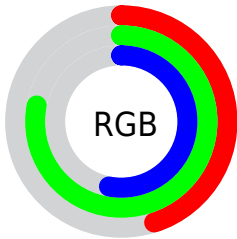
Format	Color
RYB	116, 184, 199
Decimal	7653255
CIELab	73.75, -39.00, 24.35
CIElCh	74, 45.974, 148.018
Yxy	46.3091, 0.2950, 0.4269
Android (android.graphics.Color)	4285843335 (0xFF74C787)
YUV	166.8870, -15.7203, -44.6279
Hunter-Lab	68.0508, -35.1492, 21.3517

Details

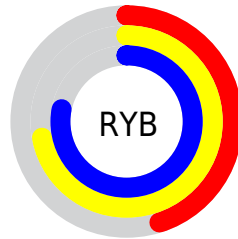
The Yxy color **46.3091, 0.2950, 0.4269** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.9368, 0.3380, 0.2482**, and the grayscale version is **38.6776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8521, 0.2987, 0.4057**, and **21.5945, 0.2869, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **44.6881, 0.2919, 0.4556**, and if you desaturate by 10%, it is **48.2884, 0.2988, 0.3997**.

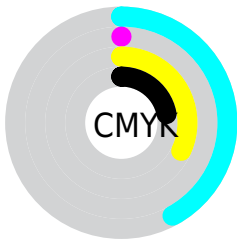
Distribution



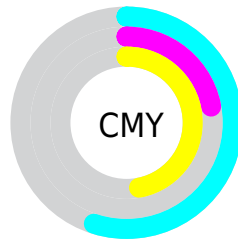
- Red (45%)
- Green (78%)
- Blue (53%)



- Red (45%)
- Yellow (72%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (55%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3091, 0.2950, 0.4269 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 46.3091, 0.2950, 0.4269 by changing the saturation by 10% instead.


 46.3091, 0.2950,
0.4269

 46.3091, 0.2950,
0.4269


372.0499, 0.3054,
0.3751


 32.4898, 0.2919,
0.4407


 84.6814, 0.2991,
0.4074

 21.7359, 0.2875,
0.4590


 110.0032, 0.3006,
0.4003

 13.6630, 0.2812,
0.4841


 139.9280, 0.3018,
0.3944

 7.8866, 0.2710,
0.5207

174.8401, 0.3027,
0.3893

 4.0225, 0.2532,
0.5781

215.1239, 0.3035,
0.3850

 1.6862, 0.2267,
0.7733

261.1639, 0.3042,

 0.4147, 0.0000,

0.3813

1.0000

313.3445, 0.3048,
0.3780

0.0000, 0.0000,
0.0000

46.3091, 0.2950,
0.4269

46.3091, 0.2950,
0.4269

44.6881, 0.2919,
0.4556

48.2884, 0.2988,
0.3997

43.3982, 0.2897,
0.4848

50.6400, 0.3031,
0.3747

42.4174, 0.2888,
0.5132


53.3838, 0.3075,
0.3522


41.7186, 0.2893,
0.5391

56.5370, 0.3120,
0.3321

41.2697, 0.2912,
0.5611

60.1155, 0.3163,
0.3146

 41.0402, 0.2932,
0.5756

 64.1345, 0.3205,
0.2992

 68.5456, 0.3243,
0.2858

 69.3271, 0.3153,
0.2742

Harmonies

Analogous

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



46.3091, 0.3576, 0.4470



46.3091, 0.2950, 0.4269



46.3091, 0.2404, 0.3695

Triad

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



46.3091, 0.2950, 0.4269



46.3091, 0.2176, 0.2318



46.3091, 0.4309, 0.3361

Complementary

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



46.3091, 0.2950, 0.4269



27.9368, 0.3380, 0.2482

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.



46.3091, 0.3854, 0.2895



46.3091, 0.2950, 0.4269



46.3091, 0.2596, 0.2321

Square

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



46.3091, 0.2950, 0.4269



46.3091, 0.1996, 0.2552



46.3091, 0.3205, 0.2528



46.3091, 0.4395, 0.3850

Rectangle

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



46.3091, 0.2950, 0.4269



46.3091, 0.2153, 0.3246



46.3091, 0.3205, 0.2528



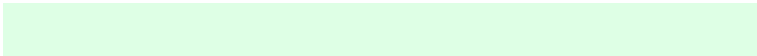
46.3091, 0.4192, 0.3199

Sweetspot

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



46.3110, 0.2950, 0.4269



92.7068, 0.3068, 0.3554



51.9354, 0.3587, 0.4369



19.6048, 0.3058, 0.3603



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.



46.3110, 0.2950, 0.4269



78.4922, 0.2921, 0.4528



47.6767, 0.2699, 0.3633



11.9269, 0.3085, 0.3473



26.4008, 0.2926, 0.5735



1.2615, 0.2812, 0.5321

Inverse Universe

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



27.9368, 0.3380, 0.2482



42.0521, 0.3452, 0.2319



26.5196, 0.3879, 0.2981



10.7736, 0.3172, 0.3113



9.3118, 0.3880, 0.1911



0.4514, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 46.3091, 0.2950, 0.4269 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 46.3091, 0.2950, 0.4269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

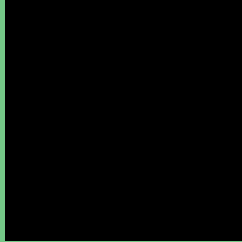
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3091, 0.2950, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 46.3091, 0.2950, 0.4269.



This preview shows how white text looks on a background with the Yxy color 46.3091, 0.2950, 0.4269.

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

46.3091, 0.2950, 0.4269

Protanopia

45.6442, 0.3697, 0.3979

Deuteranopia

45.6591, 0.3764, 0.3687



Tritanopia

46.0600, 0.2596, 0.3082

Trichromacy



Original Color

46.3091, 0.2950, 0.4269



Protanomaly

45.2593, 0.3391, 0.4090



Deuteranomaly

44.5501, 0.3423, 0.3881



Tritanomaly

45.8708, 0.2722, 0.3477

Monochromacy



Original Color

46.3091, 0.2950, 0.4269



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.9027, 0.3051, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3091, 0.2950, 0.4269 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(116, 199, 135)` looks like.

```
.text, #text, p{  
    color:rgb(116, 199, 135)  
}
```

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(116, 199, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 199, 135) }
```

Border

The CSS property to change the border of an element to Yxy 46.3091, 0.2950, 0.4269 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(116, 199, 135) }
```

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

```
.border{ border-color:rgb(116, 199, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 199, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 199, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 199, 135);  
box-shadow:4px 4px 4px 4px rgb(116, 199,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3091, 0.2950, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 199, 135) }
```

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

```
.background{ background-color: rgb(116,  
199, 135) }
```

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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