

Converting Colors

$Y_{xy}(46.3003, 0.2906, 0.5435)$

Have a look what the booklet for
Yxy(46.3003, 0.2906, 0.5435)
contains.

| | |
|---|----|
| Yxy(46.5267, 0.2908, 0.5439) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(46.5267, 0.2908, 0.5439)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 27D14A |
| RGB | 39, 209, 74 |
| RGB Percent | 15%, 82%, 29% |
| CMY | 0.8465, 0.1804, 0.7100 |
| CMYK | 0.81, 0.00, 0.65, 0.18 |
| HSL | 132°, 68%, 49% |
| HSV | 132°, 81%, 82% |
| XYZ | 24.8758, 46.5267, 14.1402 |
| YIQ | 142.7800, -57.9850, -78.0250 |

Conversions

Conversions Part 2

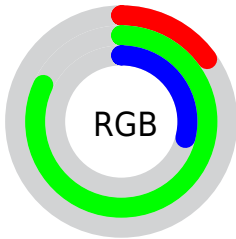
| Format | Color |
|-------------------------------------|--|
| RYB | 39, 180, 209 |
| Decimal | 2609482 |
| CIELab | 73.89, -67.61, 53.69 |
| CIELCh | 74, 86.339, 141.545 |
| Yxy | 46.5267, 0.2908, 0.5439 |
| Android (android.graphics.Color) | 4280799562 (0xFF27D14A) |
| YUV | 142.7800, -33.9085, -91.0151 |
| Hunter-Lab | 68.2105, -54.2708, 35.4564 |

Details

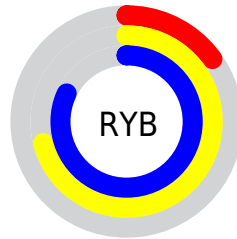
The Yxy color **46.5267, 0.2908, 0.5439** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **18.0782, 0.3668, 0.1912**, and the grayscale version is **27.5461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7234, 0.2991, 0.4911**, and **22.8090, 0.2983, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **46.0305, 0.2925, 0.5656**, and if you desaturate by 10%, it is **47.3106, 0.2904, 0.5177**.

Distribution



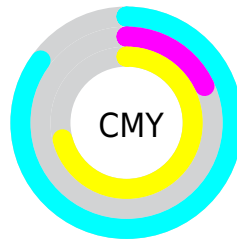
- Red (15%)
- Green (82%)
- Blue (29%)



- Red (15%)
- Yellow (71%)
- Blue (82%)



- Cyan (81%)
- Magenta (0%)
- Yellow (65%)
- Black (18%)




- Cyan (85%)
- Magenta (18%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5267, 0.2908, 0.5439 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 46.5267, 0.2908, 0.5439 by changing the saturation by 10% instead.

 46.5267, 0.2908,
0.5439

 46.5267, 0.2908,
0.5439


372.9221, 0.3091,
0.4276

 32.6617, 0.2834,
0.5745


 85.0067, 0.2995,
0.5001

 21.8674, 0.2722,
0.6139


 110.3904, 0.3021,
0.4841


 13.7595, 0.2543,
0.6655


 140.3825, 0.3041,
0.4707

 7.9536, 0.2272,
0.7419

 175.3674, 0.3056,
0.4594

 4.0653, 0.1751,
0.8249

 215.7294, 0.3068,
0.4497

 1.7101, 0.0000,
1.0000

261.8529, 0.3077,

 0.4302, 0.0000,

0.4414


1.0000


314.1223, 0.3085,
0.4341

 0.0000, 0.0000,
0.0000

 46.5267, 0.2908,
0.5439

 46.5267, 0.2908,
0.5439

 46.0305, 0.2925,
0.5656


 47.3106, 0.2904,
0.5177

 45.7740, 0.2945,
0.5802

 48.4128, 0.2913,
0.4888

 49.8663, 0.2933,
0.4587

 51.6982, 0.2963,
0.4292

 53.9329, 0.2999,
0.4011

■ 56.5929, 0.3039,
0.3753

■ 59.6988, 0.3080,
0.3521

■ 63.2700, 0.3122,
0.3314

■ 67.3247, 0.3162,
0.3134

Harmonies

Analogous

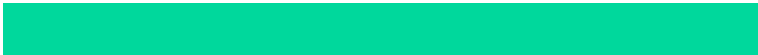
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5267, 0.3961, 0.5384



46.5267, 0.2908, 0.5439



46.5267, 0.1964, 0.4361

Triad

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



46.5267, 0.2908, 0.5439



46.5267, 0.1452, 0.1688



46.5267, 0.5193, 0.3105

Complementary

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



46.5267, 0.2908, 0.5439



18.0782, 0.3668, 0.1912

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.



46.5267, 0.4207, 0.2435



46.5267, 0.2908, 0.5439



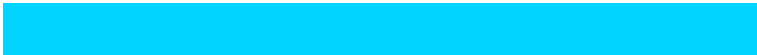
46.5267, 0.2001, 0.1663

Square

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



46.5267, 0.2908, 0.5439



46.5267, 0.1257, 0.2069



46.5267, 0.2963, 0.1924



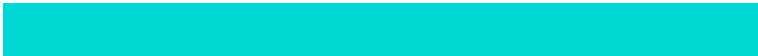
46.5267, 0.5400, 0.3849

Rectangle

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



46.5267, 0.2908, 0.5439



46.5267, 0.1539, 0.3391



46.5267, 0.2963, 0.1924



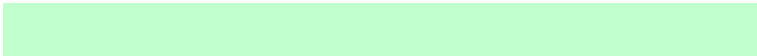
46.5267, 0.4936, 0.2871

Sweetspot

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



46.5286, 0.2908, 0.5439



87.4360, 0.3027, 0.3828



54.8652, 0.3851, 0.5172



18.3921, 0.3012, 0.3921



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.



46.5286, 0.2908, 0.5439



71.8417, 0.2945, 0.5788



48.5048, 0.2517, 0.4094



13.2454, 0.3088, 0.3480



28.2346, 0.2939, 0.5782



1.5904, 0.2843, 0.5436

Inverse Universe

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



18.0782, 0.3668, 0.1912



25.7193, 0.3806, 0.1876



15.7551, 0.5171, 0.2821



11.9658, 0.3169, 0.3107



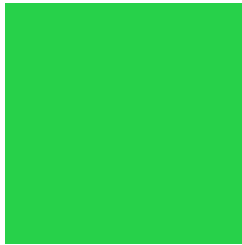
10.0734, 0.3802, 0.1868



0.5740, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 46.5267, 0.2908, 0.5439 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 46.5267, 0.2908, 0.5439 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

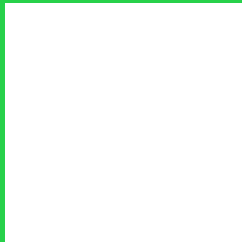
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5267, 0.2908, 0.5439

Background



This preview shows how black text looks on a background with the Yxy color 46.5267, 0.2908, 0.5439.

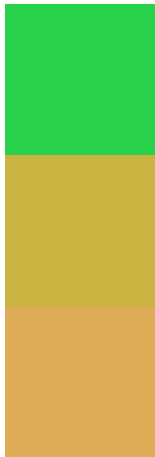


This preview shows how white text looks on a background with the Yxy color 46.5267, 0.2908, 0.5439.

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

46.5267, 0.2908, 0.5439

Protanopia

45.4534, 0.4198, 0.4610

Deuteranopia

45.3273, 0.4341, 0.4244



Tritanopia

46.4072, 0.2373, 0.3075

Trichromacy



Original Color

46.5267, 0.2908, 0.5439



Protanomaly

43.4421, 0.3560, 0.5011



Deuteranomaly

42.3750, 0.3644, 0.4740



Tritanomaly

45.7242, 0.2570, 0.3919

Monochromacy



Original Color

46.5267, 0.2908, 0.5439



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.9487, 0.2977, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5267, 0.2908, 0.5439 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(39, 209, 74)` looks like.

```
.text, #text, p{  
    color:rgb(39, 209, 74)  
}
```

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(39, 209, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 209, 74) }
```

Border

The CSS property to change the border of an element to Yxy 46.5267, 0.2908, 0.5439 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(39, 209, 74) }
```

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

```
.border{ border-color:rgb(39, 209, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 209, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 209, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 209, 74);  
box-shadow:4px 4px 4px 4px rgb(39, 209,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5267, 0.2908, 0.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 209, 74) }
```

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

```
.background{ background-color: rgb(39, 209,  
74) }
```

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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