

Converting Colors

$Y_{xy}(25.0815, 0.2968, 0.4579)$

Have a look what the booklet for
Yxy(25.0815, 0.2968, 0.4579)
contains.

Yxy(25.0815, 0.2968, 0.4579)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.0815, 0.2968, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	4D9959
RGB	77, 153, 89
RGB Percent	30%, 60%, 35%
CMY	0.6979, 0.4000, 0.6510
CMYK	0.50, 0.00, 0.42, 0.40
HSL	129°, 33%, 45%
HSV	129°, 50%, 60%
XYZ	16.2572, 25.0815, 13.4363
YIQ	122.9800, -24.7520, -36.0160

Conversions

Conversions Part 2

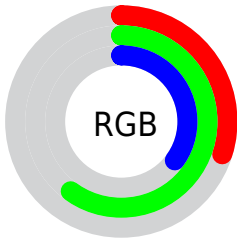
Format	Color
RYB	77, 143, 153
Decimal	5085529
CIELab	57.15, -37.77, 26.56
CIElCh	57, 46.175, 144.890
Yxy	25.0815, 0.2968, 0.4579
Android (android.graphics.Color)	4283275609 (0xFF4D9959)
YUV	122.9800, -16.7521, -40.3245
Hunter-Lab	50.0814, -29.6985, 19.1501

Details

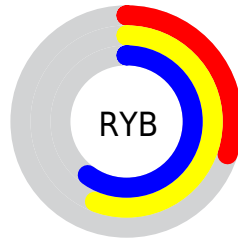
The Yxy color **25.0815, 0.2968, 0.4579** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.0090, 0.3353, 0.2280**, and the grayscale version is **19.8662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8305, 0.3020, 0.4271**, and **9.6031, 0.2847, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **24.3209, 0.2947, 0.4887**, and if you desaturate by 10%, it is **26.0318, 0.2995, 0.4277**.

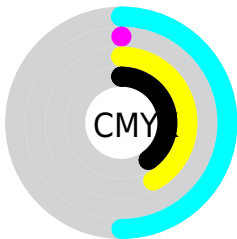
Distribution



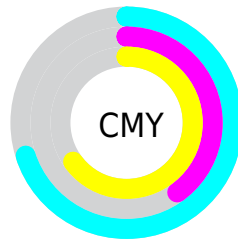
- Red (30%)
- Green (60%)
- Blue (35%)



- Red (30%)
- Yellow (56%)
- Blue (60%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (40%)





- Cyan (70%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0815, 0.2968, 0.4579 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 25.0815, 0.2968, 0.4579 by changing the saturation by 10% instead.


 25.0815, 0.2968,
0.4579


 25.0815, 0.2968,
0.4579

278.2436, 0.3081,
0.3825


 16.1378, 0.2922,
0.4813


 51.7894, 0.3020,
0.4274

 9.6217, 0.2848,
0.5145


 70.3224, 0.3036,
0.4169

 5.1489, 0.2717,
0.5648

 92.8206, 0.3048,
0.4085

 2.3349, 0.2576,
0.6808

 119.6684, 0.3058,
0.4015

 0.7921, 0.0000,
1.0000

 151.2502, 0.3065,
0.3956

 0.0000, 0.0000,
0.0000

187.9504, 0.3072,

0.3906

230.1534, 0.3077,
0.3863

■ 25.0815, 0.2968,
0.4579

■ 25.0815, 0.2968,
0.4579

■ 24.3209, 0.2947,
0.4887

■ 26.0318, 0.2995,
0.4277

■ 23.7343, 0.2936,
0.5184

■ 27.1801, 0.3027,
0.3991

■ 23.3085, 0.2934,
0.5453


■ 28.5380, 0.3060,
0.3728

■ 23.0270, 0.2944,
0.5676

■ 30.1154, 0.3095,
0.3492

■ 22.8536, 0.2957,
0.5842

■ 31.9213, 0.3128,
0.3283

 22.8483, 0.2958,
0.5847

 33.9644, 0.3161,
0.3100

 36.2529, 0.3192,
0.2940

 38.7947, 0.3220,
0.2802

 41.5971, 0.3247,
0.2682

Harmonies

Analogous

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



25.0815, 0.3722, 0.4740



25.0815, 0.2968, 0.4579



25.0815, 0.2297, 0.3879

Triad

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



25.0815, 0.2968, 0.4579



25.0815, 0.1952, 0.2136



25.0815, 0.4544, 0.3289

Complementary

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



25.0815, 0.2968, 0.4579



14.0090, 0.3353, 0.2280

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.



25.0815, 0.3941, 0.2756



25.0815, 0.2968, 0.4579



25.0815, 0.2414, 0.2123

Square

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



25.0815, 0.2968, 0.4579



25.0815, 0.1772, 0.2428



25.0815, 0.3128, 0.2344



25.0815, 0.4685, 0.3867

Rectangle

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



25.0815, 0.2968, 0.4579



25.0815, 0.1986, 0.3303



25.0815, 0.3128, 0.2344



25.0815, 0.4386, 0.3102

Sweetspot

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



25.0825, 0.2968, 0.4579



52.2899, 0.3075, 0.3622



29.0340, 0.3708, 0.4520



11.4288, 0.3069, 0.3668



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.0825, 0.2968, 0.4579



43.3759, 0.2945, 0.4933



25.8782, 0.2682, 0.3804



6.9407, 0.3096, 0.3483



18.8876, 0.2955, 0.5838



0.2859, 0.2797, 0.5270

Inverse Universe

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



14.0090, 0.3353, 0.2280



21.1008, 0.3420, 0.2085



13.0769, 0.3980, 0.2849



6.3069, 0.3160, 0.3105



6.9088, 0.3641, 0.1780



0.1072, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 25.0815, 0.2968, 0.4579 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0815, 0.2968, 0.4579 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 × Fail

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

Yxy 25.0815, 0.2968, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 25.0815, 0.2968, 0.4579.



This preview shows how white text looks on a background with the Yxy color 25.0815, 0.2968, 0.4579.

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

25.0815, 0.2968, 0.4579

Protanopia

24.6224, 0.3850, 0.4165

Deuteranopia

24.8273, 0.3937, 0.3872



Tritanopia

25.0123, 0.2547, 0.3074

Trichromacy



Original Color

25.0815, 0.2968, 0.4579

Protanomaly

24.2128, 0.3483, 0.4329

Deuteranomaly

24.1435, 0.3534, 0.4126

Tritanomaly

24.8720, 0.2700, 0.3594

Monochromacy



Original Color

25.0815, 0.2968, 0.4579

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.2621, 0.3051, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0815, 0.2968, 0.4579 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(77, 153, 89)` looks like.

```
.text, #text, p{  
    color:rgb(77, 153, 89)  
}
```

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(77, 153, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 153, 89) }
```

Border

The CSS property to change the border of an element to Yxy 25.0815, 0.2968, 0.4579 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(77, 153, 89) }
```

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

```
.border{ border-color:rgb(77, 153, 89) }
```

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

Here you see how a box with a 4 pixel rgb(77, 153, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 153, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 153, 89);  
box-shadow:4px 4px 4px 4px rgb(77, 153,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0815, 0.2968, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 153, 89) }
```

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

```
.background{ background-color: rgb(77, 153,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor