

Converting Colors

$Yxy(28.8867, 0.3136, 0.4572)$

Have a look what the booklet for
Yxy(28.8867, 0.3136, 0.4572)
contains.

Yxy(28.8977, 0.3134, 0.4579)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8977, 0.3134, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	63A15B
RGB	99, 161, 91
RGB Percent	39%, 63%, 36%
CMY	0.6118, 0.3686, 0.6431
CMYK	0.39, 0.00, 0.43, 0.37
HSL	113°, 28%, 49%
HSV	113°, 43%, 63%
XYZ	19.7784, 28.8977, 14.4331
YIQ	134.4820, -14.4820, -34.9140

Conversions

Conversions Part 2

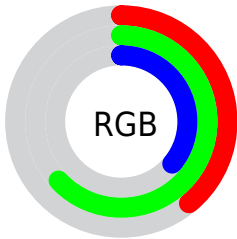
Format	Color
R_{YB}	91, 161, 153
Decimal	6529371
CIE _{Lab}	60.69, -34.27, 30.25
CIE _{LCh}	61, 45.714, 138.567
Yxy	28.8977, 0.3134, 0.4579
Android (android.graphics.Color)	4284719451 (0xFF63A15B)
YUV	134.4820, -21.4366, -31.1177
Hunter-Lab	53.7566, -28.3993, 21.7109

Details

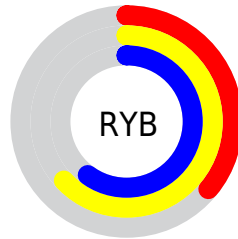
The Yxy color **28.8977, 0.3134, 0.4579** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8293, 0.3072, 0.2218**, and the grayscale version is **24.1118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8370, 0.3156, 0.4287**, and **11.7160, 0.3081, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **27.9167, 0.3125, 0.4920**, and if you desaturate by 10%, it is **30.0827, 0.3138, 0.4243**.

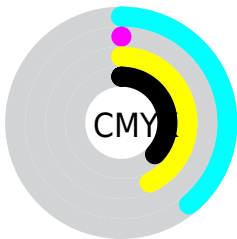
Distribution



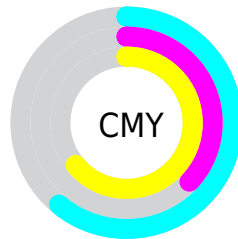
- Red (39%)
- Green (63%)
- Blue (36%)



- Red (36%)
- Yellow (63%)
- Blue (60%)



- Cyan (39%)
- Magenta (0%)
- Yellow (43%)
- Black (37%)



- Cyan (61%)
- Magenta (37%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8977, 0.3134, 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 28.8977, 0.3134, 0.4579 by changing the saturation by 10% instead.


 28.8977, 0.3134,
0.4579


 28.8977, 0.3134,
0.4579


296.7320, 0.3156,
0.3845


 19.0034, 0.3115,
0.4796


 57.9145, 0.3151,
0.4288

 11.6728, 0.3078,
0.5096


 77.8059, 0.3154,
0.4187

 6.5213, 0.3003,
0.5532


 101.7984, 0.3156,
0.4103

 3.1646, 0.2897,
0.6343

 130.2764, 0.3157,
0.4034

 1.2182, 0.1914,
0.8086

163.6244, 0.3157,
0.3976

 0.0765, 0.0000,
1.0000

202.2267, 0.3157,

 0.0000, 0.0000,

0.3926

0.0000

246.4678, 0.3157,
0.3883

■ 28.8977, 0.3134,
0.4579

■ 28.8977, 0.3134,
0.4579

■ 27.9167, 0.3125,
0.4920

■ 30.0827, 0.3138,
0.4243

■ 27.1246, 0.3111,
0.5245

■ 31.4783, 0.3138,
0.3925

■ 26.5102, 0.3092,
0.5532


■ 33.0956, 0.3135,
0.3634


■ 26.0596, 0.3069,
0.5758


■ 34.9436, 0.3129,
0.3373

■ 25.7566, 0.3044,
0.5907

■ 37.0308, 0.3123,
0.3143

 25.6235, 0.3032,
0.5975

 39.3655, 0.3115,
0.2942

 41.9555, 0.3107,
0.2767

 44.8080, 0.3099,
0.2615

 47.9302, 0.3092,
0.2484

Harmonies

Analogous

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



28.8977, 0.3842, 0.4627



28.8977, 0.3134, 0.4579



28.8977, 0.2462, 0.4010

Triad

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



28.8977, 0.3134, 0.4579



28.8977, 0.1949, 0.2228



28.8977, 0.4376, 0.3182

Complementary

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



28.8977, 0.3134, 0.4579



16.8293, 0.3072, 0.2218

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.



28.8977, 0.3741, 0.2688



28.8977, 0.3134, 0.4579



28.8977, 0.2336, 0.2160

Square

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



28.8977, 0.3134, 0.4579



28.8977, 0.1834, 0.2573



28.8977, 0.2973, 0.2327



28.8977, 0.4614, 0.3733

Rectangle

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



28.8977, 0.3134, 0.4579



28.8977, 0.2125, 0.3475



28.8977, 0.2973, 0.2327



28.8977, 0.4199, 0.3007

Sweetspot

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



28.8989, 0.3134, 0.4579



59.3409, 0.3134, 0.3628



31.0621, 0.3806, 0.4230



12.8736, 0.3135, 0.3686



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.8989, 0.3134, 0.4579



50.0736, 0.3126, 0.4903



29.0195, 0.2864, 0.4090



7.9320, 0.3133, 0.3521



20.4734, 0.3035, 0.5972



0.4409, 0.3180, 0.5857

Inverse Universe

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



16.8293, 0.3072, 0.2218



25.6212, 0.3052, 0.2002



16.7861, 0.3544, 0.2615



7.1609, 0.3120, 0.3067



6.7030, 0.2928, 0.1387



0.1517, 0.3037, 0.1447

Previews

White Background



This preview shows how the Yxy color 28.8977, 0.3134, 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 28.8977, 0.3134, 0.4579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

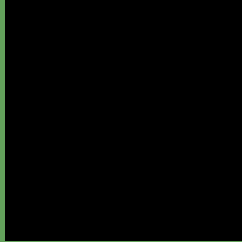
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8977, 0.3134, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 28.8977, 0.3134, 0.4579.



This preview shows how white text looks on a background with the Yxy color 28.8977, 0.3134, 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

28.8977, 0.3134, 0.4579

Protanopia

28.6872, 0.3894, 0.4229

Deuteranopia

28.4237, 0.4005, 0.3922



Tritanopia

28.6838, 0.2660, 0.3073

Trichromacy



Original Color

28.8977, 0.3134, 0.4579

Protanomaly

28.2246, 0.3595, 0.4360

Deuteranomaly

27.8786, 0.3652, 0.4158

Tritanomaly

28.4658, 0.2836, 0.3589

Monochromacy



Original Color

28.8977, 0.3134, 0.4579

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.3195, 0.3137, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8977, 0.3134, 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(99, 161, 91)` looks like.

```
.text, #text, p{  
    color:rgb(99, 161, 91)  
}
```

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(99, 161, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 161, 91) }
```

Border

The CSS property to change the border of an element to Yxy 28.8977, 0.3134, 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(99, 161, 91) }
```

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

```
.border{ border-color:rgb(99, 161, 91) }
```

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

Here you see how a box with a 4 pixel rgb(99, 161, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 161, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 161, 91);  
box-shadow:4px 4px 4px 4px rgb(99, 161,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8977, 0.3134, 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(99, 161, 91) }
```

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

```
.background{ background-color: rgb(99, 161,  
91) }
```

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