

Converting Colors

$Y_{xy}(28.5549, 0.3152, 0.4802)$

Have a look what the booklet for
Yxy(28.5549, 0.3152, 0.4802)
contains.

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Color

Yxy(28.6952, 0.3151, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	5CA250
RGB	92, 162, 80
RGB Percent	36%, 64%, 31%
CMY	0.6390, 0.3647, 0.6863
CMYK	0.43, 0.00, 0.51, 0.36
HSL	111°, 34%, 47%
HSV	111°, 51%, 64%
XYZ	18.7863, 28.6952, 12.1387
YIQ	131.7220, -15.3980, -40.3420

Conversions

Conversions Part 2

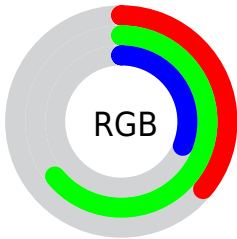
Format	Color
R_{YB}	80, 162, 150
Decimal	6070864
CIE _{Lab}	60.51, -38.54, 35.66
CIE _{LCh}	61, 52.505, 137.222
Yxy	28.6952, 0.3151, 0.4813
Android (android.graphics.Color)	4284260944 (0xFF5CA250)
YUV	131.7220, -25.4989, -34.8362
Hunter-Lab	53.5679, -31.1437, 24.0622

Details

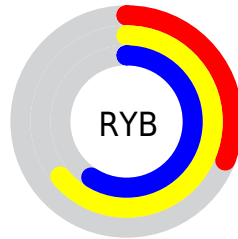
The Yxy color **28.6952, 0.3151, 0.4813** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.8252, 0.3022, 0.2040**, and the grayscale version is **23.0721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3754, 0.3171, 0.4464**, and **11.6441, 0.3074, 0.5434** is the 20% darker color. If you saturate the color by 10%, you get **27.8367, 0.3140, 0.5142**, and if you desaturate by 10%, it is **29.7437, 0.3155, 0.4475**.

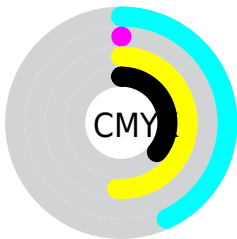
Distribution



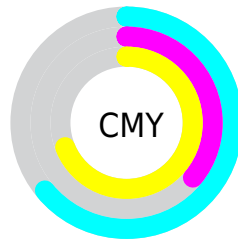
- Red (36%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (59%)



- Cyan (43%)
- Magenta (0%)
- Yellow (51%)
- Black (36%)




- Cyan (64%)
- Magenta (36%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6952, 0.3151, 0.4813 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 28.6952, 0.3151, 0.4813 by changing the saturation by 10% instead.

 28.6952, 0.3151,
0.4813


 28.6952, 0.3151,
0.4813


295.7741, 0.3175,
0.3942

 18.8504, 0.3125,
0.5069


 57.5925, 0.3172,
0.4468

 11.5622, 0.3074,
0.5422


 77.4137, 0.3176,
0.4347


 6.4463, 0.2969,
0.5926


 101.3292, 0.3178,
0.4248

 3.1183, 0.2904,
0.7096

 129.7233, 0.3178,
0.4166

 1.1938, 0.1216,
0.8784

 162.9804, 0.3178,
0.4097

 0.0566, 0.0000,
1.0000

201.4850, 0.3177,

 0.0000, 0.0000,

0.4038

0.0000

245.6215, 0.3176,
0.3987

■ 28.6952, 0.3151,
0.4813

■ 28.6952, 0.3151,
0.4813

■ 27.8367, 0.3140,
0.5142

■ 29.7437, 0.3155,
0.4475

■ 27.1532, 0.3123,
0.5440

■ 30.9890, 0.3153,
0.4146

■ 26.6335, 0.3099,
0.5685

■ 32.4417, 0.3148,
0.3837

■ 26.2633, 0.3070,
0.5858

■ 34.1108, 0.3139,
0.3556

■ 26.0308, 0.3045,
0.5964

■ 36.0047, 0.3128,
0.3304

■ 38.1314, 0.3116,
0.3082

■ 40.4985, 0.3104,
0.2888

■ 43.1131, 0.3091,
0.2719

■ 45.9822, 0.3079,
0.2571

Harmonies

Analogous

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



28.6952, 0.3950, 0.4804



28.6952, 0.3151, 0.4813



28.6952, 0.2388, 0.4169

Triad

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



28.6952, 0.3151, 0.4813



28.6952, 0.1791, 0.2098



28.6952, 0.4541, 0.3124

Complementary

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



28.6952, 0.3151, 0.4813



14.8252, 0.3022, 0.2040

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.



28.6952, 0.3789, 0.2585



28.6952, 0.3151, 0.4813



28.6952, 0.2203, 0.2019

Square

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



28.6952, 0.3151, 0.4813



28.6952, 0.1676, 0.2486



28.6952, 0.2906, 0.2195



28.6952, 0.4827, 0.3732

Rectangle

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



28.6952, 0.3151, 0.4813



28.6952, 0.2007, 0.3536



28.6952, 0.2906, 0.2195



28.6952, 0.4329, 0.2933

Sweetspot

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



28.6964, 0.3151, 0.4813



60.4643, 0.3143, 0.3684



29.9761, 0.3936, 0.4337



13.4446, 0.3145, 0.3741



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.6964, 0.3151, 0.4813



50.3266, 0.3138, 0.5191



28.6423, 0.2852, 0.4305



7.9427, 0.3137, 0.3521



20.5214, 0.3049, 0.5961



0.4447, 0.3228, 0.5819

Inverse Universe

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



14.8252, 0.3022, 0.2040



22.1470, 0.2984, 0.1796



15.1207, 0.3598, 0.2471



7.1492, 0.3115, 0.3067



6.3390, 0.2847, 0.1342



0.1467, 0.2987, 0.1419

Previews

White Background



This preview shows how the Yxy color 28.6952, 0.3151, 0.4813 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 28.6952, 0.3151, 0.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

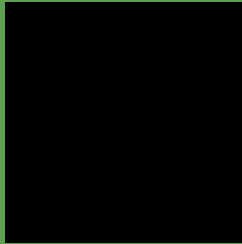
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6952, 0.3151, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 28.6952, 0.3151, 0.4813.



This preview shows how white text looks on a background with the Yxy color 28.6952, 0.3151, 0.4813.

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

28.6952, 0.3151, 0.4813

Protanopia

28.2188, 0.4000, 0.4366

Deuteranopia

28.3672, 0.4120, 0.4056



Tritanopia

28.6872, 0.2623, 0.3088

Trichromacy



Original Color

28.6952, 0.3151, 0.4813

Protanomaly

27.8059, 0.3654, 0.4544

Deuteranomaly

27.5273, 0.3723, 0.4322

Tritanomaly

28.3229, 0.2819, 0.3684

Monochromacy



Original Color

28.6952, 0.3151, 0.4813

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.6191, 0.3143, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6952, 0.3151, 0.4813 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(92, 162, 80)` looks like.

```
.text, #text, p{  
    color:rgb(92, 162, 80)  
}
```

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(92, 162, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 162, 80) }
```

Border

The CSS property to change the border of an element to Yxy 28.6952, 0.3151, 0.4813 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(92, 162, 80) }
```

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

```
.border{ border-color:rgb(92, 162, 80) }
```

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

Here you see how a box with a 4 pixel rgb(92, 162, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 162, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 162, 80);  
box-shadow:4px 4px 4px 4px rgb(92, 162,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6952, 0.3151, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 162, 80) }
```

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

```
.background{ background-color: rgb(92, 162,  
80) }
```

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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