

Converting Colors

$Y_{xy}(28.8322, 0.3181, 0.4865)$

Have a look what the booklet for
Yxy(28.8322, 0.3181, 0.4865)
contains.

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Color

Yxy(28.7036, 0.3179, 0.4861)

Conversions

Conversions Part 1

Format	Color
Hex	5DA24D
RGB	93, 162, 77
RGB Percent	36%, 64%, 30%
CMY	0.6354, 0.3647, 0.6980
CMYK	0.43, 0.00, 0.52, 0.36
HSL	109°, 36%, 47%
HSV	109°, 52%, 64%
XYZ	18.7716, 28.7036, 11.5736
YIQ	131.6790, -13.8390, -41.0630

Conversions

Conversions Part 2

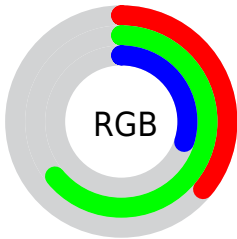
Format	Color
RYB	77, 162, 146
Decimal	6136397
CIELab	60.52, -38.65, 37.19
CIElCh	61, 53.634, 136.100
Yxy	28.7036, 0.3179, 0.4861
Android (android.graphics.Color)	4284326477 (0xFF5DA24D)
YUV	131.6790, -26.9567, -33.9215
Hunter-Lab	53.5757, -31.2156, 24.6951

Details

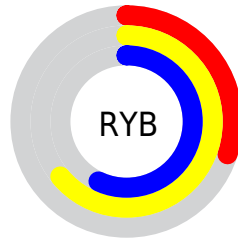
The Yxy color $28.7036, 0.3179, 0.4861$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $14.0340, 0.2969, 0.1981$, and the grayscale version is $23.0533, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.3873, 0.3196, 0.4502$, and $11.6478, 0.3101, 0.5486$ is the 20% darker color. If you saturate the color by 10%, you get $27.8754, 0.3170, 0.5182$, and if you desaturate by 10%, it is $29.7094, 0.3180, 0.4528$.

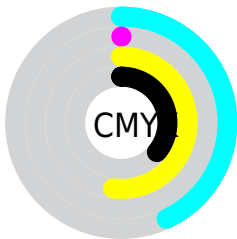
Distribution



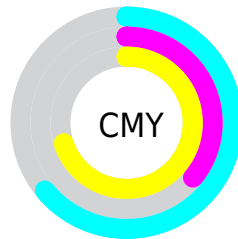
- Red (36%)
- Green (64%)
- Blue (30%)



- Red (30%)
- Yellow (64%)
- Blue (57%)



- Cyan (43%)
- Magenta (0%)
- Yellow (52%)
- Black (36%)





- Cyan (64%)
- Magenta (36%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7036, 0.3179, 0.4861 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 28.7036, 0.3179, 0.4861 by changing the saturation by 10% instead.

 28.7036, 0.3179,
0.4861


 28.7036, 0.3179,
0.4861


295.8139, 0.3191,
0.3963

 18.8567, 0.3154,
0.5124


 57.6058, 0.3197,
0.4506


 11.5668, 0.3104,
0.5484


 77.4300, 0.3199,
0.4381

 6.4494, 0.2998,
0.5995


 101.3486, 0.3199,
0.4280

 3.1202, 0.2899,
0.7101

 129.7462, 0.3198,
0.4195

 1.1948, 0.1203,
0.8797

 163.0072, 0.3197,
0.4123

 0.0575, 0.0000,
1.0000

201.5158, 0.3195,

 0.0000, 0.0000,

0.4062

0.0000

245.6566, 0.3193,
0.4009

■ 28.7036, 0.3179,
0.4861

■ 28.7036, 0.3179,
0.4861

■ 27.8754, 0.3170,
0.5182

■ 29.7094, 0.3180,
0.4528

■ 27.2108, 0.3151,
0.5469

■ 30.8986, 0.3174,
0.4200

■ 26.6995, 0.3124,
0.5701

■ 32.2813, 0.3163,
0.3890

■ 26.3283, 0.3090,
0.5862

■ 33.8657, 0.3148,
0.3605

■ 26.1258, 0.3066,
0.5947

■ 35.6594, 0.3132,
0.3349

■ 37.6699, 0.3114,
0.3121

■ 39.9041, 0.3095,
0.2921

■ 42.3686, 0.3077,
0.2746

■ 45.0699, 0.3060,
0.2593

Harmonies

Analogous

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



28.7036, 0.3990, 0.4822



28.7036, 0.3179, 0.4861



28.7036, 0.2398, 0.4224

Triad

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



28.7036, 0.3179, 0.4861



28.7036, 0.1758, 0.2085



28.7036, 0.4549, 0.3096

Complementary

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



28.7036, 0.3179, 0.4861



14.0340, 0.2969, 0.1981

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.



28.7036, 0.3768, 0.2554



28.7036, 0.3179, 0.4861



28.7036, 0.2164, 0.1995

Square

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



28.7036, 0.3179, 0.4861



28.7036, 0.1653, 0.2489



28.7036, 0.2869, 0.2165



28.7036, 0.4860, 0.3711

Rectangle

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



28.7036, 0.3179, 0.4861



28.7036, 0.2003, 0.3576



28.7036, 0.2869, 0.2165



28.7036, 0.4327, 0.2904

Sweetspot

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



28.7048, 0.3179, 0.4861



60.3259, 0.3154, 0.3711



28.4716, 0.3997, 0.4316



13.4227, 0.3157, 0.3767



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.



28.7048, 0.3179, 0.4861



50.3704, 0.3167, 0.5234



28.3912, 0.2876, 0.4435



7.9560, 0.3143, 0.3520



20.5948, 0.3070, 0.5944



0.4494, 0.3286, 0.5773

Inverse Universe

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



14.0340, 0.2969, 0.1981



20.7459, 0.2917, 0.1730



14.7835, 0.3555, 0.2385



7.1347, 0.3109, 0.3066



5.9114, 0.2747, 0.1287



0.1406, 0.2926, 0.1385

Previews

White Background



This preview shows how the Yxy color 28.7036, 0.3179, 0.4861 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 28.7036, 0.3179, 0.4861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

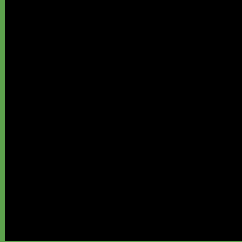
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7036, 0.3179, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 28.7036, 0.3179, 0.4861.



This preview shows how white text looks on a background with the Yxy color 28.7036, 0.3179, 0.4861.

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

28.7036, 0.3179, 0.4861

Protanopia

28.2828, 0.4038, 0.4399

Deuteranopia

28.1486, 0.4169, 0.4078



Tritanopia

28.7503, 0.2631, 0.3088

Trichromacy



Original Color

28.7036, 0.3179, 0.4861

Protanomaly

27.8485, 0.3690, 0.4583

Deuteranomaly

27.5725, 0.3762, 0.4363

Tritanomaly

28.3540, 0.2835, 0.3702

Monochromacy



Original Color

28.7036, 0.3179, 0.4861

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.6663, 0.3164, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7036, 0.3179, 0.4861 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(93, 162, 77)` looks like.

```
.text, #text, p{  
    color:rgb(93, 162, 77)  
}
```

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(93, 162, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 162, 77) }
```

Border

The CSS property to change the border of an element to Yxy 28.7036, 0.3179, 0.4861 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(93, 162, 77) }
```

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

```
.border{ border-color:rgb(93, 162, 77) }
```

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

Here you see how a box with a 4 pixel rgb(93, 162, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 162, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 162, 77);  
box-shadow:4px 4px 4px 4px rgb(93, 162,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7036, 0.3179, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 162, 77) }
```

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

```
.background{ background-color: rgb(93, 162,  
77) }
```

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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