

Converting Colors

$Yxy(28.3277, 0.2652, 0.4748)$

Have a look what the booklet for
Yxy(28.3277, 0.2652, 0.4748)
contains.

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Color

Yxy(28.4637, 0.2655, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	00A75F
RGB	0, 167, 95
RGB Percent	0%, 65%, 37%
CMY	0.9993, 0.3451, 0.6274
CMYK	1.00, 0.00, 0.43, 0.35
HSL	154°, 100%, 33%
HSV	154°, 100%, 65%
XYZ	15.8863, 28.4637, 15.4854
YIQ	108.8590, -76.4200, -57.7960

Conversions

Conversions Part 2

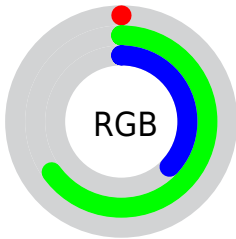
Format	Color
RYB	0, 106, 167
Decimal	42847
CIELab	60.31, -53.48, 27.16
CIELCh	60, 59.984, 153.072
Yxy	28.4637, 0.2655, 0.4757
Android (android.graphics.Color)	4278232927 (0xFF00A75F)
YUV	108.8590, -6.8325, -95.4693
Hunter-Lab	53.3514, -40.2135, 20.1369

Details

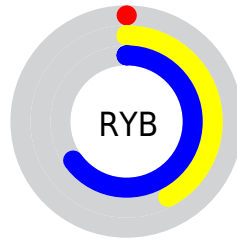
The Yxy color **28.4637, 0.2655, 0.4757** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6897, 0.5227, 0.2654**, and the grayscale version is **15.3038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0748, 0.2776, 0.4415**, and **12.0155, 0.2778, 0.5201** is the 20% darker color. If you saturate the color by 10%, you get **28.4621, 0.2655, 0.4759**, and if you desaturate by 10%, it is **28.7190, 0.2634, 0.4597**.

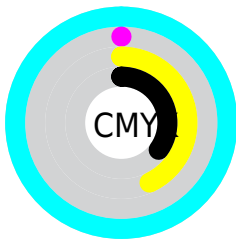
Distribution



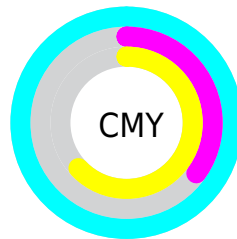
- Red (0%)
- Green (65%)
- Blue (37%)



- Red (0%)
- Yellow (42%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4637, 0.2655, 0.4757 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 28.4637, 0.2655, 0.4757 by changing the saturation by 10% instead.


 28.4637, 0.2655,
0.4757


 28.4637, 0.2655,
0.4757


 294.6761, 0.2941,
0.3905


 18.6755, 0.2562,
0.5018


 57.2239, 0.2774,
0.4414

 11.4360, 0.2425,
0.5385


 76.9647, 0.2814,
0.4296

 6.3609, 0.2212,
0.5933


 100.7918, 0.2846,
0.4200

 3.0658, 0.1869,
0.6897

 129.0897, 0.2872,
0.4120

 1.1662, 0.0000,
1.0000

 162.2426, 0.2893,
0.4053

 0.0338, 0.0000,
1.0000

 200.6351, 0.2912,

 0.0000, 0.0000,

0.3997

0.0000

244.6514, 0.2928,
0.3947

■ 28.4637, 0.2655,
0.4757

■ 28.4637, 0.2655,
0.4757

■ 28.4621, 0.2655,
0.4759

■ 28.7190, 0.2634,
0.4597

■ 29.0836, 0.2628,
0.4432

■ 29.5984, 0.2642,
0.4265

■ 30.2812, 0.2675,
0.4100

■ 31.1476, 0.2725,
0.3940

■ 32.2110, 0.2790,
0.3788

■ 33.4838, 0.2865,
0.3646

■ 34.9770, 0.2948,
0.3515

■ 36.7013, 0.3037,
0.3396

Harmonies

Analogous

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



28.4637, 0.3557, 0.5126



28.4637, 0.2655, 0.4757



28.4637, 0.1933, 0.3717

Triad

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



28.4637, 0.2655, 0.4757



28.4637, 0.1835, 0.1875



28.4637, 0.4991, 0.3427

Complementary

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



28.4637, 0.2655, 0.4757



8.6897, 0.5227, 0.2654

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.



28.4637, 0.4384, 0.2793



28.4637, 0.2655, 0.4757



28.4637, 0.2459, 0.1946

Square

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



28.4637, 0.2655, 0.4757



28.4637, 0.1541, 0.2099



28.4637, 0.3390, 0.2270



28.4637, 0.4956, 0.4109

Rectangle

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



28.4637, 0.2655, 0.4757



28.4637, 0.1645, 0.3002



28.4637, 0.3390, 0.2270



28.4637, 0.4856, 0.3208

Sweetspot

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



28.4648, 0.2655, 0.4757



59.8064, 0.2860, 0.3655



29.0336, 0.3286, 0.5772



13.1686, 0.2828, 0.3711



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.4648, 0.2655, 0.4757



50.9323, 0.2663, 0.4786



26.5274, 0.2190, 0.3082



8.4765, 0.3042, 0.3389



21.7897, 0.2651, 0.4744



0.5401, 0.2502, 0.4208

Inverse Universe

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



8.6897, 0.5227, 0.2654



15.5133, 0.5273, 0.2678



8.4623, 0.6344, 0.3343



7.5941, 0.3221, 0.3193



6.6548, 0.5207, 0.2642



0.1722, 0.4394, 0.2194

Previews

White Background



This preview shows how the Yxy color 28.4637, 0.2655, 0.4757 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 28.4637, 0.2655, 0.4757 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 28.4637, 0.2655, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 28.4637, 0.2655, 0.4757.



This preview shows how white text looks on a background with the Yxy color 28.4637, 0.2655, 0.4757.

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

28.4637, 0.2655, 0.4757

Protanopia

27.8875, 0.3874, 0.4195

Deuteranopia

27.9069, 0.3912, 0.3830



Tritanopia

28.4181, 0.2322, 0.3060

Trichromacy



Original Color

28.4637, 0.2655, 0.4757



Protanomaly

25.9444, 0.3181, 0.4486



Deuteranomaly

25.7107, 0.3191, 0.4223



Tritanomaly

27.9240, 0.2416, 0.3631

Monochromacy



Original Color

28.4637, 0.2655, 0.4757



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.2299, 0.2746, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4637, 0.2655, 0.4757 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(0, 167, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 95)  
}
```

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(0, 167, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 95) }
```

Border

The CSS property to change the border of an element to Yxy 28.4637, 0.2655, 0.4757 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(0, 167, 95) }
```

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

```
.border{ border-color:rgb(0, 167, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 95)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.4637, 0.2655, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 95) }
```

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

```
.background{ background-color: rgb(0, 167,  
95) }
```

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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