

Converting Colors

$Yxy(28.5887, 0.2858, 0.5236)$

Have a look what the booklet for
Yxy(28.5887, 0.2858, 0.5236)
contains.

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Color

Yxy(28.7420, 0.2862, 0.5248)

Conversions

Conversions Part 1

Format	Color
Hex	20A845
RGB	32, 168, 69
RGB Percent	13%, 66%, 27%
CMY	0.8741, 0.3412, 0.7294
CMYK	0.81, 0.00, 0.59, 0.34
HSL	136°, 68%, 39%
HSV	136°, 81%, 66%
XYZ	15.6745, 28.7420, 10.3511
YIQ	116.0500, -49.2770, -59.6210

Conversions

Conversions Part 2

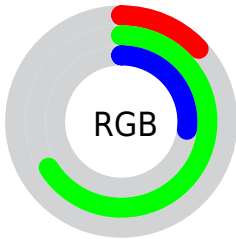
Format	Color
R_{YB}	32, 139, 168
Decimal	2140229
CIE _{Lab}	60.55, -55.78, 40.71
CIE _{LCh}	61, 69.055, 143.877
Yxy	28.7420, 0.2862, 0.5248
Android (android.graphics.Color)	4280330309 (0xFF20A845)
YUV	116.0500, -23.1956, -73.7118
Hunter-Lab	53.6116, -41.6320, 26.0807

Details

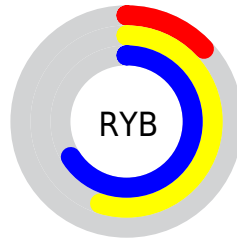
The Yxy color **28.7420, 0.2862, 0.5248** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.0041, 0.3824, 0.2026**, and the grayscale version is **17.5737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4922, 0.2960, 0.4791**, and **12.0751, 0.2951, 0.5824** is the 20% darker color. If you saturate the color by 10%, you get **28.4020, 0.2879, 0.5475**, and if you desaturate by 10%, it is **29.2529, 0.2859, 0.4992**.

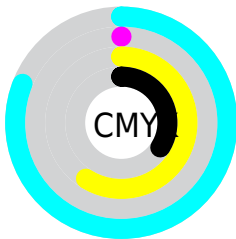
Distribution



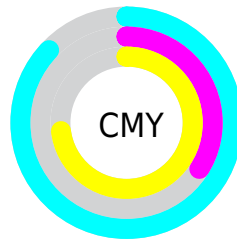
- Red (13%)
- Green (66%)
- Blue (27%)



- Red (13%)
- Yellow (55%)
- Blue (66%)



- Cyan (81%)
- Magenta (0%)
- Yellow (59%)
- Black (34%)



- Cyan (87%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7420, 0.2862, 0.5248 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 28.7420, 0.2862, 0.5248 by changing the saturation by 10% instead.

 28.7420, 0.2862,
0.5248

 28.7420, 0.2862,
0.5248


295.9957, 0.3064,
0.4108

 18.8857, 0.2777,
0.5589


 57.6669, 0.2958,
0.4792


 11.5877, 0.2640,
0.6057


 77.5044, 0.2987,
0.4634

 6.4636, 0.2406,
0.6724


 101.4377, 0.3008,
0.4505

 3.1290, 0.2038,
0.7962

 129.8512, 0.3025,
0.4398

 1.1994, 0.0000,
1.0000

 163.1294, 0.3038,
0.4308

 0.0612, 0.0000,
1.0000

 201.6566, 0.3048,

 0.0000, 0.0000,

0.4232

0.0000

245.8172, 0.3057,
0.4166

■ 28.7420, 0.2862,
0.5248

■ 28.7420, 0.2862,
0.5248

■ 28.4020, 0.2879,
0.5475

■ 29.2529, 0.2859,
0.4992

■ 28.1992, 0.2903,
0.5650

■ 29.9513, 0.2872,
0.4719

■ 30.8556, 0.2897,
0.4445

■ 31.9810, 0.2933,
0.4178

■ 33.3411, 0.2976,
0.3928

■ 34.9486, 0.3023,
0.3697

■ 36.8152, 0.3073,
0.3490

■ 38.9517, 0.3123,
0.3305

■ 41.3685, 0.3172,
0.3143

Harmonies

Analogous

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



28.7420, 0.3870, 0.5310



28.7420, 0.2862, 0.5248



28.7420, 0.1976, 0.4187

Triad

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



28.7420, 0.2862, 0.5248



28.7420, 0.1555, 0.1750



28.7420, 0.5118, 0.3184

Complementary

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



28.7420, 0.2862, 0.5248



11.0041, 0.3824, 0.2026

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.



28.7420, 0.4235, 0.2527



28.7420, 0.2862, 0.5248



28.7420, 0.2116, 0.1745

Square

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



28.7420, 0.2862, 0.5248



28.7420, 0.1341, 0.2094



28.7420, 0.3063, 0.2017



28.7420, 0.5270, 0.3911

Rectangle

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



28.7420, 0.2862, 0.5248



28.7420, 0.1585, 0.3297



28.7420, 0.3063, 0.2017



28.7420, 0.4892, 0.2955

Sweetspot

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



28.7432, 0.2862, 0.5248



62.3336, 0.3006, 0.3776



32.9958, 0.3755, 0.5218



13.3697, 0.2990, 0.3855



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.



28.7432, 0.2862, 0.5248



51.2362, 0.2902, 0.5627



30.0993, 0.2464, 0.3890



8.4400, 0.3081, 0.3459



21.3028, 0.2898, 0.5633



0.5267, 0.2714, 0.4969

Inverse Universe

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



11.0041, 0.3824, 0.2026



17.8417, 0.4019, 0.2000



9.7308, 0.5315, 0.2941



7.6313, 0.3177, 0.3127



7.3637, 0.4023, 0.1990



0.1870, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 28.7420, 0.2862, 0.5248 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 28.7420, 0.2862, 0.5248 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 28.7420, 0.2862, 0.5248

Background



This preview shows how black text looks on a background with the Yxy color 28.7420, 0.2862, 0.5248.



This preview shows how white text looks on a background with the Yxy color 28.7420, 0.2862, 0.5248.

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

28.7420, 0.2862, 0.5248

Protanopia

28.1757, 0.4110, 0.4507

Deuteranopia

28.0599, 0.4228, 0.4154



Tritanopia

28.7337, 0.2375, 0.3080

Trichromacy



Original Color

28.7420, 0.2862, 0.5248



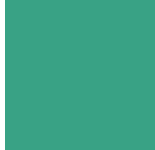
Protanomaly

26.7415, 0.3495, 0.4847



Deuteranomaly

26.2744, 0.3557, 0.4605



Tritanomaly

28.4040, 0.2549, 0.3842

Monochromacy



Original Color

28.7420, 0.2862, 0.5248



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.1601, 0.2947, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7420, 0.2862, 0.5248 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(32, 168, 69)` looks like.

```
.text, #text, p{  
    color:rgb(32, 168, 69)  
}
```

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(32, 168, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 168, 69) }
```

Border

The CSS property to change the border of an element to Yxy 28.7420, 0.2862, 0.5248 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(32, 168, 69) }
```

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

```
.border{ border-color:rgb(32, 168, 69) }
```

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

Here you see how a box with a 4 pixel rgb(32, 168, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 168, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 168, 69);  
box-shadow:4px 4px 4px 4px rgb(32, 168,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7420, 0.2862, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 168, 69) }
```

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

```
.background{ background-color: rgb(32, 168,  
69) }
```

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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