

Converting Colors

$Y_{xy}(27.8135, 0.3053, 0.5708)$

Have a look what the booklet for
Yxy(27.8135, 0.3053, 0.5708)
contains.

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Color

Yxy(27.8958, 0.3052, 0.5712)

Conversions

Conversions Part 1

Format	Color
Hex	2BA621
RGB	43, 166, 33
RGB Percent	17%, 65%, 13%
CMY	0.8316, 0.3490, 0.8706
CMYK	0.74, 0.00, 0.80, 0.35
HSL	116°, 67%, 39%
HSV	116°, 80%, 65%
XYZ	14.9051, 27.8958, 6.0363
YIQ	114.0610, -30.6150, -67.4390

Conversions

Conversions Part 2

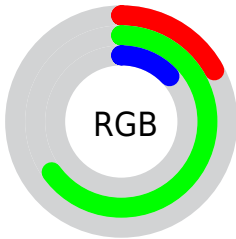
Format	Color
R_{YB}	33, 166, 156
Decimal	2860577
CIE _{Lab}	59.79, -57.07, 54.42
CIE _{LCh}	60, 78.857, 136.362
Yxy	27.8958, 0.3052, 0.5712
Android (android.graphics.Color)	4281050657 (0xFF2BA621)
YUV	114.0610, -39.9631, -62.3205
Hunter-Lab	52.8165, -42.0551, 30.1954

Details

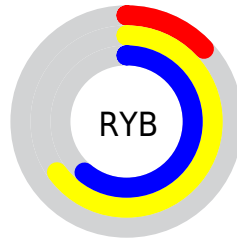
The Yxy color **27.8958, 0.3052, 0.5712** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.9129, 0.3059, 0.1579**, and the grayscale version is **16.9713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2150, 0.3142, 0.5160**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.5545, 0.3032, 0.5884**, and if you desaturate by 10%, it is **28.4102, 0.3071, 0.5465**.

Distribution



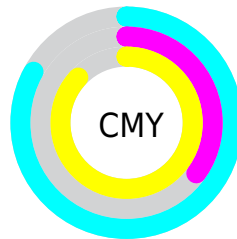
- Red (17%)
- Green (65%)
- Blue (13%)



- Red (13%)
- Yellow (65%)
- Blue (61%)



- Cyan (74%)
- Magenta (0%)
- Yellow (80%)
- Black (35%)




- Cyan (83%)
- Magenta (35%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8958, 0.3052, 0.5712 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 27.8958, 0.3052, 0.5712 by changing the saturation by 10% instead.


 27.8958, 0.3052,
0.5712


 27.8958, 0.3052,
0.5712


291.9687, 0.3194,
0.4314


 18.2471, 0.2958,
0.6106


 56.3180, 0.3141,
0.5164

 11.1276, 0.2791,
0.6619


 75.8604, 0.3162,
0.4969


 6.1527, 0.2545,
0.7455

 99.4694, 0.3175,
0.4809

 2.9382, 0.1901,
0.8099

 127.5295, 0.3184,
0.4676

 1.0995, 0.0000,
1.0000

 160.4251, 0.3189,
0.4564

 0.0000, 0.0000,
0.0000

 198.5406, 0.3192,

0.4468

242.2603, 0.3193,
0.4386

■ 27.8958, 0.3052,
0.5712

■ 27.8958, 0.3052,
0.5712

■ 27.5545, 0.3032,
0.5884

■ 28.4102, 0.3071,
0.5465

■ 27.3561, 0.3018,
0.5985

■ 29.1128, 0.3088,
0.5160

■ 30.0209, 0.3102,
0.4823

■ 31.1488, 0.3113,
0.4477

■ 32.5097, 0.3120,
0.4141

■ 34.1155, 0.3125,
0.3828

■ 35.9777, 0.3127,
0.3545

■ 38.1066, 0.3127,
0.3293

■ 40.5122, 0.3126,
0.3073

Harmonies

Analogous

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



27.8958, 0.4158, 0.5403



27.8958, 0.3052, 0.5712



27.8958, 0.2017, 0.4732

Triad

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



27.8958, 0.3052, 0.5712



27.8958, 0.1297, 0.1627



27.8958, 0.5225, 0.2943

Complementary

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



27.8958, 0.3052, 0.5712



10.9129, 0.3059, 0.1579

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.



27.8958, 0.4054, 0.2267



27.8958, 0.3052, 0.5712



27.8958, 0.1797, 0.1552

Square

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



27.8958, 0.3052, 0.5712



27.8958, 0.1151, 0.2092



27.8958, 0.2734, 0.1775



27.8958, 0.5581, 0.3699

Rectangle

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



27.8958, 0.3052, 0.5712



27.8958, 0.1524, 0.3650



27.8958, 0.2734, 0.1775



27.8958, 0.4901, 0.2705

Sweetspot

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



27.8970, 0.3052, 0.5712



60.5973, 0.3123, 0.3960



31.6340, 0.4235, 0.4835



13.3400, 0.3122, 0.4068



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.



27.8970, 0.3052, 0.5712



49.7132, 0.3019, 0.5960



28.3093, 0.2752, 0.4856



8.4336, 0.3127, 0.3522



21.2201, 0.3021, 0.5983



0.5244, 0.3114, 0.5909

Inverse Universe

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



10.9129, 0.3059, 0.1579



17.6259, 0.3027, 0.1453



10.3332, 0.4215, 0.2278



7.6376, 0.3126, 0.3067



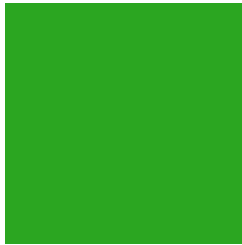
7.4386, 0.3025, 0.1440



0.1891, 0.3090, 0.1476

Previews

White Background



This preview shows how the Yxy color 27.8958, 0.3052, 0.5712 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 27.8958, 0.3052, 0.5712 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 27.8958, 0.3052, 0.5712

Background



This preview shows how black text looks on a background with the Yxy color 27.8958, 0.3052, 0.5712.



This preview shows how white text looks on a background with the Yxy color 27.8958, 0.3052, 0.5712.

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

27.8958, 0.3052, 0.5712

Protanopia

27.3011, 0.4335, 0.4788

Deuteranopia

27.3973, 0.4515, 0.4432



Tritanopia

27.8950, 0.2419, 0.3079

Trichromacy



Original Color

27.8958, 0.3052, 0.5712



Protanomaly

26.0735, 0.3749, 0.5211



Deuteranomaly

25.7804, 0.3861, 0.4963



Tritanomaly

27.2625, 0.2689, 0.4091

Monochromacy



Original Color

27.8958, 0.3052, 0.5712



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.5056, 0.3110, 0.4318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8958, 0.3052, 0.5712 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(43, 166, 33)` looks like.

```
.text, #text, p{  
    color:rgb(43, 166, 33)  
}
```

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(43, 166, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 166, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.8958, 0.3052, 0.5712 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(43, 166, 33) }
```

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

```
.border{ border-color:rgb(43, 166, 33) }
```

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

Here you see how a box with a 4 pixel rgb(43, 166, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 166, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 166, 33);  
box-shadow:4px 4px 4px 4px rgb(43, 166,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8958, 0.3052, 0.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 166, 33) }
```

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

```
.background{ background-color: rgb(43, 166,  
33) }
```

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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