

Converting Colors

$Y_{xy}(28.8507, 0.3123, 0.5813)$

Have a look what the booklet for
Yxy(28.8507, 0.3123, 0.5813)
contains.

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Color

Yxy(28.7238, 0.3121, 0.5814)

Conversions

Conversions Part 1

Format	Color
Hex	32A811
RGB	50, 168, 17
RGB Percent	20%, 66%, 7%
CMY	0.8039, 0.3412, 0.9333
CMYK	0.70, 0.00, 0.90, 0.34
HSL	107°, 82%, 36%
HSV	107°, 90%, 66%
XYZ	15.4192, 28.7238, 5.2616
YIQ	115.5040, -21.8570, -71.9770

Conversions

Conversions Part 2

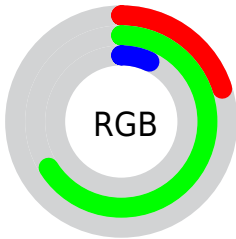
Format	Color
R_{YB}	17, 168, 135
Decimal	3319825
CIE Lab	60.54, -57.21, 59.11
CIE LCh	61, 82.261, 134.061
Yxy	28.7238, 0.3121, 0.5814
Android (android.graphics.Color)	4281509905 (0xFF32A811)
YUV	115.5040, -48.5625, -57.4470
Hunter-Lab	53.5946, -42.4361, 31.6955

Details

The Yxy color **28.7238, 0.3121, 0.5814** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.3797, 0.2723, 0.1322**, and the grayscale version is **17.4623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4679, 0.3205, 0.5256**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.3978, 0.3084, 0.5932**, and if you desaturate by 10%, it is **29.1818, 0.3156, 0.5634**.

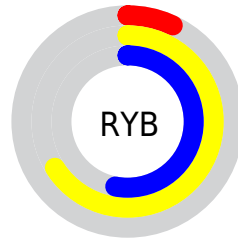
Distribution



Red (20%)

Green (66%)

Blue (7%)



Red (7%)

Yellow (66%)

Blue (53%)

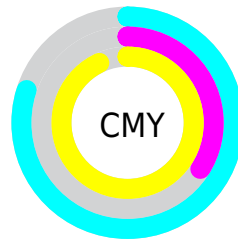


Cyan (70%)

Magenta (0%)

Yellow (90%)

Black (34%)



Cyan (80%)


Magenta (34%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7238, 0.3121, 0.5814 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 28.7238, 0.3121, 0.5814 by changing the saturation by 10% instead.

 28.7238, 0.3121,
0.5814


 28.7238, 0.3121,
0.5814


295.9095, 0.3241,
0.4374

 18.8720, 0.3026,
0.6205


 57.6380, 0.3207,
0.5258


 11.5778, 0.2857,
0.6707


 77.4691, 0.3225,
0.5057


 6.4569, 0.2577,
0.7423


 101.3955, 0.3235,
0.4892

 3.1248, 0.1966,
0.8034

 129.8015, 0.3241,
0.4754

 1.1973, 0.0000,
1.0000

 163.0715, 0.3243,
0.4637

 0.0595, 0.0000,
1.0000

 201.5899, 0.3243,

 0.0000, 0.0000,

0.4537

0.0000

245.7411, 0.3242,
0.4450

■ 28.7238, 0.3121,
0.5814

■ 28.7238, 0.3121,
0.5814

■ 28.3978, 0.3084,
0.5932

■ 29.1818, 0.3156,
0.5634

■ 28.3944, 0.3084,
0.5934

■ 29.7891, 0.3182,
0.5388

■ 30.5596, 0.3197,
0.5093

■ 31.5048, 0.3202,
0.4770

■ 32.6348, 0.3198,
0.4439

■ 33.9593, 0.3186,
0.4117

■ 35.4868, 0.3169,
0.3814

■ 37.2258, 0.3149,
0.3537

■ 39.1838, 0.3127,
0.3287

Harmonies

Analogous

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



28.7238, 0.4247, 0.5390



28.7238, 0.3121, 0.5814



28.7238, 0.2050, 0.4908

Triad

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



28.7238, 0.3121, 0.5814



28.7238, 0.1235, 0.1607



28.7238, 0.5223, 0.2869

Complementary

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



28.7238, 0.3121, 0.5814



8.3797, 0.2723, 0.1322

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.



28.7238, 0.3972, 0.2193



28.7238, 0.3121, 0.5814



28.7238, 0.1709, 0.1508

Square

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



28.7238, 0.3121, 0.5814



28.7238, 0.1111, 0.2113



28.7238, 0.2629, 0.1712



28.7238, 0.5654, 0.3628

Rectangle

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



28.7238, 0.3121, 0.5814



28.7238, 0.1525, 0.3784



28.7238, 0.2629, 0.1712



28.7238, 0.4868, 0.2630

Sweetspot

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



28.7250, 0.3121, 0.5814



62.2483, 0.3182, 0.4043



25.0777, 0.4577, 0.4665



13.3827, 0.3187, 0.4144



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.



28.7250, 0.3121, 0.5814



51.4462, 0.3075, 0.5941



28.4237, 0.2880, 0.5465



8.4838, 0.3148, 0.3521



21.4607, 0.3089, 0.5929



0.5433, 0.3314, 0.5751

Inverse Universe

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



8.3797, 0.2723, 0.1322



13.8307, 0.2655, 0.1236



10.2778, 0.3909, 0.1986



7.5827, 0.3104, 0.3065



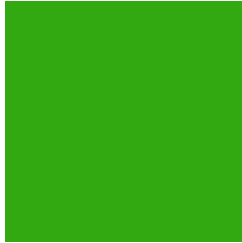
5.8192, 0.2671, 0.1245



0.1616, 0.2860, 0.1349

Previews

White Background



This preview shows how the Yxy color 28.7238, 0.3121, 0.5814 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 28.7238, 0.3121, 0.5814 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 28.7238, 0.3121, 0.5814

Background



This preview shows how black text looks on a background with the Yxy color 28.7238, 0.3121, 0.5814.



This preview shows how white text looks on a background with the Yxy color 28.7238, 0.3121, 0.5814.

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

28.7238, 0.3121, 0.5814

Protanopia

28.1521, 0.4403, 0.4869

Deuteranopia

28.2685, 0.4572, 0.4496



Tritanopia

28.5263, 0.2439, 0.3065

Trichromacy



Original Color

28.7238, 0.3121, 0.5814



Protanomaly

27.0131, 0.3840, 0.5290



Deuteranomaly

26.6622, 0.3942, 0.5046



Tritanomaly

27.7342, 0.2756, 0.4182

Monochromacy



Original Color

28.7238, 0.3121, 0.5814



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.1824, 0.3198, 0.4443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7238, 0.3121, 0.5814 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(50, 168, 17)` looks like.

```
.text, #text, p{  
    color:rgb(50, 168, 17)  
}
```

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(50, 168, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 168, 17) }
```

Border

The CSS property to change the border of an element to Yxy 28.7238, 0.3121, 0.5814 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(50, 168, 17) }
```

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

```
.border{ border-color:rgb(50, 168, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 168, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 168, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 168, 17);  
box-shadow:4px 4px 4px 4px rgb(50, 168,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7238, 0.3121, 0.5814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 168, 17) }
```

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

```
.background{ background-color: rgb(50, 168,  
17) }
```

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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