

Converting Colors

XYZ(9.3320, 17.7034, 2.9253)

Have a look what the booklet for
XYZ(9.3320, 17.7034, 2.9253)
contains.

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Color

**XYZ(9.3237, 17.6680,
2.9189)**

Conversions

Conversions Part 1

Format	Color
Hex	228700
RGB	34, 135, 0
RGB Percent	13%, 53%, 0%
CMY	0.8667, 0.4706, 1.0000
CMYK	0.75, 0.00, 1.00, 0.47
HSL	105°, 100%, 26%
HSV	105°, 100%, 53%
XYZ	9.3237, 17.6680, 2.9189
YIQ	89.4110, -16.8610, -63.3970

Conversions

Conversions Part 2

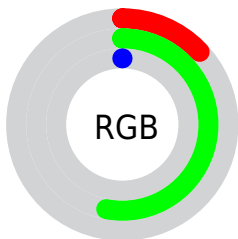
Format	Color
RYB	0, 135, 101
Decimal	2262784
CIELab	49.09, -49.97, 52.37
CIELCh	49, 72.382, 133.656
Yxy	17.6680, 0.3117, 0.5907
Android (android.graphics.Color)	4280452864 (0xFF228700)
YUV	89.4110, -44.0796, -48.5954
Hunter-Lab	42.0333, -33.9640, 25.3061

Details

The XYZ color **9.3237, 17.6680, 2.9189** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.7416, 4.5170, 23.2810**, and the grayscale version is **9.6852, 10.1896, 11.0964**.

A 20% lighter version of the original color is **24.1107, 39.3299, 11.4749**, and **3.1703, 6.3406, 1.0568** is the 20% darker color. If you saturate the color by 10%, you get **9.3238, 17.6686, 2.9190**, and if you desaturate by 10%, it is **9.7834, 17.8968, 3.3371**.

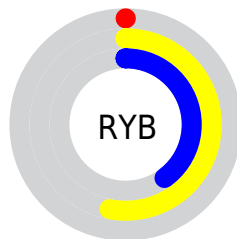
Distribution



Red (13%)

Green (53%)

Blue (0%)



Red (0%)

Yellow (53%)

Blue (40%)

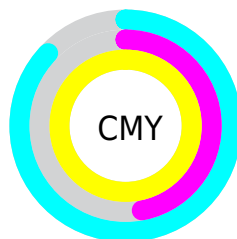


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (87%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3237, 17.6680, 2.9189 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 XYZ color 9.3237, 17.6680, 2.9189 by changing the saturation by 10% instead.

■ 9.3237, 17.6680,
2.9189

■ 9.3237, 17.6680,
2.9189

179.9311,
238.9930, 135.3209

■ 5.0117, 10.7119,
1.0534

■ 24.1768, 39.4708,
11.4277

■ 2.2890, 5.8735,
0.0000

■ 35.4487, 55.0863,
18.9080

■ 0.7890, 2.7683,
0.0000

■ 49.7712, 74.3570,
29.0969

■ 0.0000, 1.0120,
0.0000

■ 67.5097, 97.6673,
42.4131


■ 0.0000, 0.0000,
0.0000


■ 89.0296, 125.4017,
59.2751


■ 114.6962,


157.9445, 80.1014


 144.8749,
195.6802, 105.3104


 9.3237, 17.6680,
2.9189


 9.3237, 17.6680,
2.9189


 9.3238, 17.6686,
2.9190

 9.7834, 17.8968,
3.3371

 10.3945, 18.1977,
4.0023

 11.1903, 18.5855,
5.0510

 12.1858, 19.0670,
6.5296

 13.3945, 19.6483,
8.4777

■ 14.8286, 20.3348,
10.9305

■ 16.4992, 21.1316,
13.9199

■ 18.4169, 22.0435,
17.4751

■ 20.5913, 23.0749,
21.6232

Harmonies

Analogous

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



13.9075, 17.6680, 1.0004



9.3237, 17.6680, 2.9189



7.1538, 17.6680, 10.5489

Triad

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



9.3237, 17.6680, 2.9189



13.3946, 17.6680, 81.6233



32.8534, 17.6680, 11.7197

Complementary

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



9.3237, 17.6680, 2.9189



9.7416, 4.5170, 23.2810

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.



32.6072, 17.6680, 31.7283



9.3237, 17.6680, 2.9189



20.0521, 17.6680, 82.8135

Square

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



9.3237, 17.6680, 2.9189



9.0355, 17.6680, 58.0722



27.4580, 17.6680, 60.6896



28.0607, 17.6680, 3.2844

Rectangle

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



9.3237, 17.6680, 2.9189



6.8751, 17.6680, 21.7099



27.4580, 17.6680, 60.6896



33.3897, 17.6680, 16.9602

Sweetspot

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



9.3241, 17.6687, 2.9193



29.3286, 37.7378, 24.5314



14.4544, 14.0757, 1.9554



6.5287, 8.6141, 5.2052



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.3241, 17.6687, 2.9193



16.5673, 31.5733, 5.2211



8.9185, 17.4303, 4.2261



4.7181, 5.2572, 4.9954



8.6084, 16.2977, 2.6921



0.0357, 0.0595, 0.0096

Inverse Universe

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



9.7416, 4.5170, 23.2810



17.2920, 8.0096, 41.6830



12.4658, 6.1408, 13.4934



4.7465, 4.7054, 5.8588



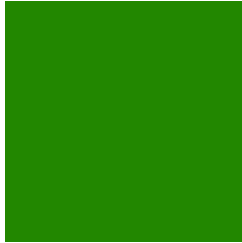
8.9948, 4.1711, 21.4677



0.0379, 0.0179, 0.0747

Previews

White Background



This preview shows how the XYZ color 9.3237, 17.6680, 2.9189 looks on a white background.

Color Contrast Check

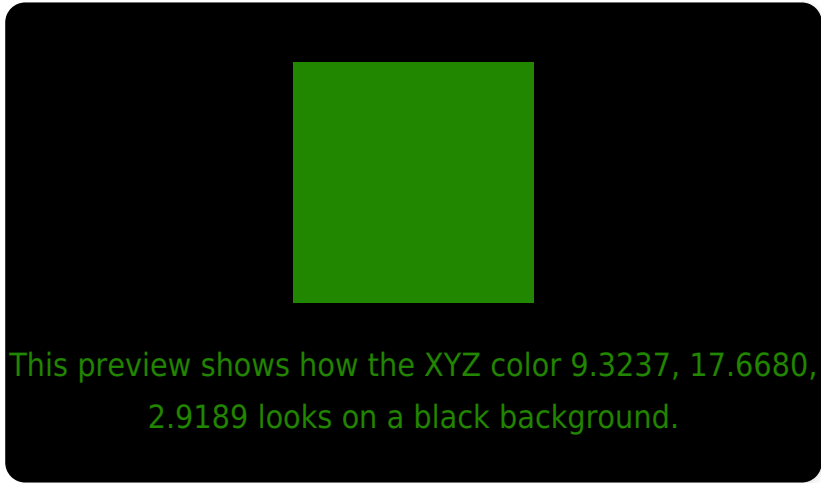
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

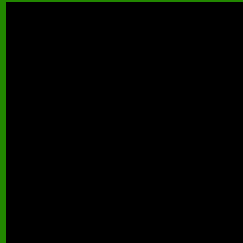
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.3237, 17.6680, 2.9189

Background



This preview shows how black text looks on a background with the XYZ color 9.3237, 17.6680, 2.9189.



This preview shows how white text looks on a background with the XYZ color 9.3237, 17.6680,

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

9.3237, 17.6680, 2.9189

Protanopia

15.6055, 17.3161, 2.5198

Deuteranopia

17.6518, 17.3516, 3.5812



Tritanopia

13.8919, 17.5348, 25.9449

Trichromacy



Original Color

9.3237, 17.6680, 2.9189

Protanomaly

11.9068, 16.6527, 2.5867

Deuteranomaly

12.5317, 16.2406, 3.0465

Tritanomaly

11.0388, 17.1455, 11.7444

Monochromacy



Original Color

9.3237, 17.6680, 2.9189

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.3468, 11.8687, 5.7219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3237, 17.6680, 2.9189 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(34, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(34, 135, 0)  
}
```

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(34, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.3237, 17.6680, 2.9189 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(34, 135, 0) }
```


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

```
.border{ border-color:rgb(34, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(34, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(34, 135, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.3237, 17.6680, 2.9189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 135, 0) }
```

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

```
.background{ background-color: rgb(34, 135,  
0) }
```

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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