

Converting Colors

XYZ(29.8777, 36.3731, 9.5837)

Have a look what the booklet for
XYZ(29.8777, 36.3731, 9.5837)
contains.

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Color

**XYZ(29.8777, 36.3731,
9.5837)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A93B
RGB	162, 169, 59
RGB Percent	64%, 66%, 23%
CMY	0.3647, 0.3372, 0.7686
CMYK	0.04, 0.00, 0.65, 0.34
HSL	64°, 48%, 45%
HSV	64°, 65%, 66%
XYZ	29.8777, 36.3731, 9.5837
YIQ	154.3670, 31.1380, -35.6940

Conversions

Conversions Part 2

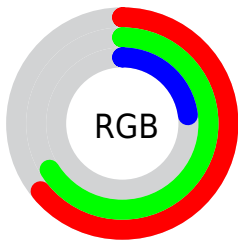
Format	Color
RYB	59, 169, 66
Decimal	10660155
CIELab	66.80, -16.94, 53.80
CIElCh	67, 56.406, 107.482
Yxy	36.3731, 0.3940, 0.4796
Android (android.graphics.Color)	4288850235 (0xFFA2A93B)
YUV	154.3670, -47.0159, 6.6941
Hunter-Lab	60.3101, -17.1136, 32.7955

Details

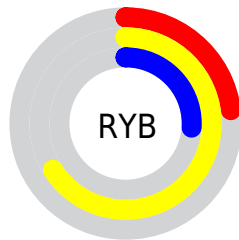
The XYZ color **29.8777, 36.3731, 9.5837** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.9734, 7.1516, 38.3404**, and the grayscale version is **31.0682, 32.6862, 35.5953**.

A 20% lighter version of the original color is **58.7937, 69.5412, 25.6533**, and **12.4247, 15.8484, 2.4042** is the 20% darker color. If you saturate the color by 10%, you get **29.2911, 36.1146, 7.6272**, and if you desaturate by 10%, it is **30.6098, 36.6926, 12.2891**.

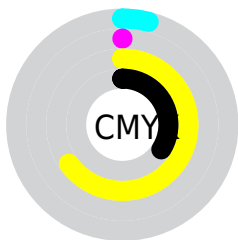
Distribution



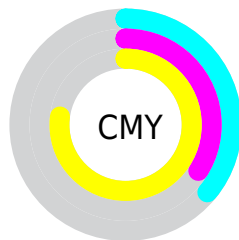
- Red (64%)
- Green (66%)
- Blue (23%)



- Red (23%)
- Yellow (66%)
- Blue (26%)



- Cyan (4%)
- Magenta (0%)
- Yellow (65%)
- Black (34%)





- Cyan (36%)
- Magenta (34%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8777, 36.3731, 9.5837 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 29.8777, 36.3731, 9.5837 by changing the saturation by 10% instead.


 29.8777, 36.3731,
9.5837


 29.8777, 36.3731,
9.5837


293.2540,
330.5884, 198.0501

 19.8934, 24.7225,
5.0218


 58.8567, 69.6075,
25.6049


 12.4254, 15.8704,
2.2011


 78.5820, 91.9602,
37.9014

 7.1083, 9.4325,
0.6750


 102.2851,
118.6489, 53.6132

 3.5769, 5.0243,
0.0000

 130.3313,
150.0582, 73.1587

 1.4657, 2.2616,
0.0000

 163.0860,
186.5724, 96.9567

 0.3023, 0.7532,
0.0000

200.9144,

 0.0000, 0.0000,

228.5759, 125.4255

0.0000

244.1820,
276.4531, 158.9838

■ 29.8777, 36.3731,
9.5837

■ 29.8777, 36.3731,
9.5837

■ 29.2911, 36.1146,
7.6272

■ 30.6098, 36.6926,
12.2891

■ 28.8332, 35.9065,
6.3422

■ 31.4972, 37.0732,
15.8064

■ 28.4870, 35.7434,
5.6361

■ 32.5518, 37.5208,
20.1944

■ 28.3371, 35.6713,
5.3917

■ 33.7837, 38.0396,
25.5060

■ 35.2021, 38.6332,
31.7897

■ 36.8155, 39.3050,
39.0907

■ 38.6321, 40.0583,
47.4515

■ 40.6594, 40.8961,
56.9119

■ 42.9046, 41.8213,
67.5099

Harmonies

Analogous

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



38.2472, 36.3731, 9.1808



29.8777, 36.3731, 9.5837



23.8431, 36.3731, 15.5967

Triad

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



29.8777, 36.3731, 9.5837



24.6353, 36.3731, 85.2570



53.1682, 36.3731, 50.6746

Complementary

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



29.8777, 36.3731, 9.5837



10.9734, 7.1516, 38.3404

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.



48.1145, 36.3731, 80.5530



29.8777, 36.3731, 9.5837



31.1392, 36.3731, 105.3775

Square

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



29.8777, 36.3731, 9.5837



21.1761, 36.3731, 55.4458



39.7329, 36.3731, 103.3698



52.6802, 36.3731, 27.1099

Rectangle

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



29.8777, 36.3731, 9.5837



21.5333, 36.3731, 24.2097



39.7329, 36.3731, 103.3698



52.0306, 36.3731, 60.4388

Sweetspot

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



29.8785, 36.3748, 9.5845



61.6600, 68.6085, 50.7773



19.0146, 12.4752, 5.5440



13.2937, 14.8927, 10.4253



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.8785, 36.3748, 9.5845



52.0755, 64.5042, 12.5289



21.2242, 31.9133, 9.1794



8.0990, 8.7491, 8.0512



21.1353, 26.5929, 4.0190



0.5278, 0.6540, 0.0984

Inverse Universe

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



10.9734, 7.1516, 38.3404



15.7046, 8.1984, 67.9798



16.4032, 9.9508, 38.5945



7.1744, 7.3225, 9.4536



5.4553, 2.1957, 28.1118



0.1461, 0.0603, 0.6846

Previews

White Background



This preview shows how the XYZ color 29.8777, 36.3731, 9.5837 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.8777, 36.3731, 9.5837 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 ✓ Pass

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

XYZ 29.8777, 36.3731, 9.5837

Background



This preview shows how black text looks on a background with the XYZ color 29.8777, 36.3731, 9.5837.



This preview shows how white text looks on a background with the XYZ color 29.8777, 36.3731,

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

29.8777, 36.3731, 9.5837

Protanopia

32.8918, 36.3136, 9.1465

Deuteranopia

36.8381, 36.0379, 9.8649



Tritanopia

36.8111, 36.2782, 43.5903

Trichromacy



Original Color

29.8777, 36.3731, 9.5837

Protanomaly

31.6744, 36.2144, 9.3237

Deuteranomaly

33.7612, 35.7089, 9.6705

Tritanomaly

33.3118, 35.8874, 26.2903

Monochromacy



Original Color

29.8777, 36.3731, 9.5837

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.6325, 33.2963, 22.3178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8777, 36.3731, 9.5837 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(162, 169, 59)` looks like.

```
.text, #text, p{  
    color:rgb(162, 169, 59)  
}
```

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(162, 169, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 169, 59) }
```

Border

The CSS property to change the border of an element to XYZ 29.8777, 36.3731, 9.5837 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(162, 169, 59) }
```


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

```
.border{ border-color:rgb(162, 169, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 169, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 169, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 169, 59);  
box-shadow:4px 4px 4px 4px rgb(162, 169,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8777, 36.3731, 9.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 169, 59) }
```

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

```
.background{ background-color: rgb(162,  
169, 59) }
```

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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