

Converting Colors

XYZ(29.6148, 35.7388, 9.8376)

Have a look what the booklet for
XYZ(29.6148, 35.7388, 9.8376)
contains.

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Color

**XYZ(29.5885, 35.6666,
9.8823)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A73E
RGB	162, 167, 62
RGB Percent	64%, 65%, 24%
CMY	0.3647, 0.3451, 0.7568
CMYK	0.03, 0.00, 0.63, 0.35
HSL	63°, 46%, 45%
HSV	63°, 63%, 65%
XYZ	29.5885, 35.6666, 9.8823
YIQ	153.5350, 30.7250, -33.7150

Conversions

Conversions Part 2

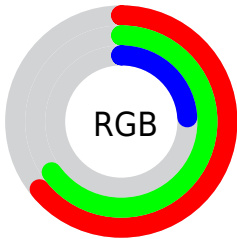
Format	Color
RYB	62, 167, 67
Decimal	10659646
CIELab	66.26, -15.72, 51.96
CIELCh	66, 54.281, 106.833
Yxy	35.6666, 0.3938, 0.4747
Android (android.graphics.Color)	4288849726 (0xFFA2A73E)
YUV	153.5350, -45.1268, 7.4238
Hunter-Lab	59.7215, -16.0764, 31.9942

Details

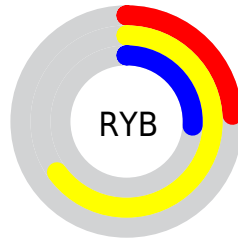
The XYZ color **29.5885, 35.6666, 9.8823** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.0136, 7.4294, 37.4149**, and the grayscale version is **30.6941, 32.2926, 35.1666**.

A 20% lighter version of the original color is **58.3720, 68.5175, 26.0683**, and **12.1941, 15.3873, 2.3273** is the 20% darker color. If you saturate the color by 10%, you get **29.0380, 35.4291, 7.8213**, and if you desaturate by 10%, it is **30.2825, 35.9642, 12.6865**.

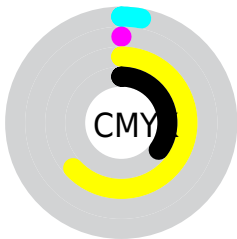
Distribution



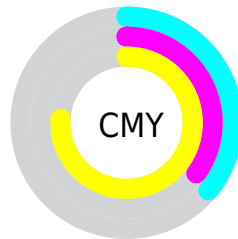
- Red (64%)
- Green (65%)
- Blue (24%)



- Red (24%)
- Yellow (65%)
- Blue (26%)



- Cyan (3%)
- Magenta (0%)
- Yellow (63%)
- Black (35%)





- Cyan (36%)
- Magenta (35%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5885, 35.6666, 9.8823 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 29.5885, 35.6666, 9.8823 by changing the saturation by 10% instead.


 29.5885, 35.6666,
9.8823


 29.5885, 35.6666,
9.8823


291.9260,
327.5010, 200.2842


 19.6730, 24.1768,
5.2164


 58.4019, 68.5172,
26.1782

 12.2644, 15.4648,
2.3138


 78.0305, 90.6467,
38.6453


 6.9975, 9.1463,
0.7390


 101.6275,
117.0917, 54.5499

 3.5069, 4.8367,
0.0000

 129.5583,
148.2364, 74.3106

 1.4271, 2.1518,
0.0000

 162.1881,
184.4653, 98.3458

 0.2754, 0.6935,
0.0000

199.8825,

 0.0000, 0.0000,

226.1628, 127.0741

0.0000

243.0066,
273.7132, 160.9140

■ 29.5885, 35.6666,
9.8823

■ 29.5885, 35.6666,
9.8823

■ 29.0380, 35.4291,
7.8213

■ 30.2825, 35.9642,
12.6865

■ 28.6152, 35.2415,
6.4309

■ 31.1292, 36.3218,
16.2932

■ 28.3050, 35.0990,
5.6276

■ 32.1400, 36.7451,
20.7583

■ 28.1264, 35.0145,
5.2761

■ 33.3243, 37.2379,
26.1323

■ 34.6911, 37.8038,
32.4613

■ 36.2485, 38.4461,
39.7888

■ 38.0042, 39.1679,
48.1553

■ 39.9655, 39.9720,
57.5992

■ 42.1394, 40.8612,
68.1568

Harmonies

Analogous

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



37.5714, 35.6666, 9.5888



29.5885, 35.6666, 9.8823



23.7656, 35.6666, 15.6211

Triad

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



29.5885, 35.6666, 9.8823



24.3258, 35.6666, 81.2771



51.4311, 35.6666, 49.9022

Complementary

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



29.5885, 35.6666, 9.8823



11.0136, 7.4294, 37.4149

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.



46.5702, 35.6666, 78.0211



29.5885, 35.6666, 9.8823



30.4760, 35.6666, 100.4376

Square

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



29.5885, 35.6666, 9.8823



21.0754, 35.6666, 53.2305



38.6113, 35.6666, 99.0528



51.0915, 35.6666, 27.3011

Rectangle

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



29.5885, 35.6666, 9.8823



21.5068, 35.6666, 23.8024



38.6113, 35.6666, 99.0528



50.3220, 35.6666, 59.1492

Sweetspot

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



29.5893, 35.6682, 9.8830



60.5040, 67.0293, 50.5993



18.7262, 12.4025, 5.9648



13.3944, 14.9396, 10.6539



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.



29.5893, 35.6682, 9.8830



51.7136, 63.3206, 13.0097



21.2452, 31.3667, 9.4925



8.1110, 8.7553, 8.0517



21.5333, 26.7981, 4.0376



0.5343, 0.6573, 0.0987

Inverse Universe

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



11.0136, 7.4294, 37.4149



15.8024, 8.6746, 66.3168



16.1700, 10.0876, 37.6562



7.1637, 7.3170, 9.4531



5.4256, 2.1804, 28.1104



0.1420, 0.0582, 0.6844

Previews

White Background



This preview shows how the XYZ color 29.5885, 35.6666, 9.8823 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 29.5885, 35.6666, 9.8823 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 29.5885, 35.6666, 9.8823

Background



This preview shows how black text looks on a background with the XYZ color 29.5885, 35.6666, 9.8823.



This preview shows how white text looks on a background with the XYZ color 29.5885, 35.6666,

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

29.5885, 35.6666, 9.8823

Protanopia

32.3829, 35.5193, 9.4241

Deuteranopia

36.1940, 35.4552, 10.0902



Tritanopia

36.0632, 35.4122, 42.4706

Trichromacy



Original Color

29.5885, 35.6666, 9.8823

Protanomaly

31.1731, 35.4155, 9.6078

Deuteranomaly

33.4307, 35.2745, 10.0477

Tritanomaly

32.7485, 35.0781, 26.1638

Monochromacy



Original Color

29.5885, 35.6666, 9.8823

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.7540, 33.3448, 22.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5885, 35.6666, 9.8823 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, 167, 62)` looks like.

```
.text, #text, p{  
    color:rgb(162, 167, 62)  
}
```

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, 167, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 167, 62) }
```

Border

The CSS property to change the border of an element to XYZ 29.5885, 35.6666, 9.8823 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, 167, 62) }
```


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

```
.border{ border-color:rgb(162, 167, 62) }
```

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

Here you see how a box with a 4 pixel rgb(162, 167, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 167, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 167, 62);  
box-shadow:4px 4px 4px 4px rgb(162, 167,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5885, 35.6666, 9.8823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 167, 62) }
```

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

```
.background{ background-color: rgb(162,  
167, 62) }
```

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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