

Converting Colors

XYZ(29.3816, 31.9706, 8.5858)

Have a look what the booklet for
XYZ(29.3816, 31.9706, 8.5858)
contains.

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Color

**XYZ(29.3885, 31.9722,
8.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	AD993A
RGB	173, 153, 58
RGB Percent	68%, 60%, 23%
CMY	0.3216, 0.4000, 0.7725
CMYK	0.00, 0.12, 0.66, 0.32
HSL	50°, 50%, 45%
HSV	50°, 66%, 68%
XYZ	29.3885, 31.9722, 8.6253
YIQ	148.1500, 42.4150, -25.3050

Conversions

Conversions Part 2

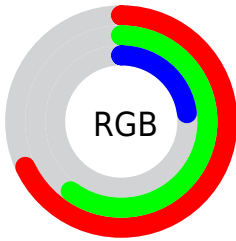
Format	Color
R_{YB}	82, 173, 58
Decimal	11376954
CIE Lab	63.32, -3.79, 50.86
CIE LCh	63, 51.005, 94.264
Yxy	31.9722, 0.4199, 0.4568
Android (android.graphics.Color)	4289567034 (0xFFAD993A)
YUV	148.1500, -44.4439, 21.7935
Hunter-Lab	56.5440, -6.1773, 30.5366

Details

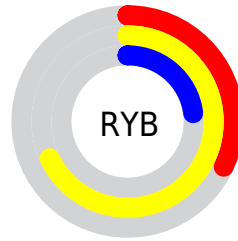
The XYZ color **29.3885, 31.9722, 8.6253** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.0121, 9.3651, 40.7094**, and the grayscale version is **28.3790, 29.8570, 32.5142**.

A 20% lighter version of the original color is **58.0823, 62.7404, 23.8007**, and **12.0875, 13.2847, 1.9271** is the 20% darker color. If you saturate the color by 10%, you get **28.5343, 30.8539, 6.5222**, and if you desaturate by 10%, it is **30.4044, 33.1775, 11.5125**.

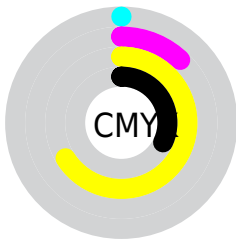
Distribution



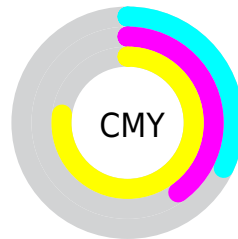
- Red (68%)
- Green (60%)
- Blue (23%)



- Red (32%)
- Yellow (68%)
- Blue (23%)



- Cyan (0%)
- Magenta (12%)
- Yellow (66%)
- Black (32%)





- Cyan (32%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3885, 31.9722, 8.6253 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 29.3885, 31.9722, 8.6253 by changing the saturation by 10% instead.


 29.3885, 31.9722,
8.6253


 29.3885, 31.9722,
8.6253


291.0049,
310.9926, 190.6715


 19.5207, 21.3403,
4.4041


 58.0871, 62.7675,
23.7416


 12.1533, 13.3730,
1.8496

 77.6485, 83.6997,
35.4737


 6.9211, 7.6859,
0.4604

 101.1719,
108.8340, 50.5467

 3.4587, 3.8946,
0.0000

 129.0225,
138.5550, 69.3789

 1.4007, 1.6148,
0.0000

 161.5658,
173.2469, 92.3889

 0.2567, 0.3675,
0.0000

 199.1670,

 0.0000, 0.0000,

213.2942, 119.9954

0.0000

242.1916,
259.0813, 152.6167

■ 29.3885, 31.9722,
8.6253

■ 29.3885, 31.9722,
8.6253

■ 28.5343, 30.8539,
6.5222

■ 30.4044, 33.1775,
11.5125

■ 27.8241, 29.8116,
5.1197

■ 31.5934, 34.4708,
15.2523

■ 27.2372, 28.8383,
4.3060

■ 32.9680, 35.8586,
19.9079

■ 27.0439, 28.5050,
4.0767

■ 34.5392, 37.3452,
25.5359

■ 36.3168, 38.9349,
32.1885

■ 38.3103, 40.6314,
39.9139

■ 40.5282, 42.4384,
48.7575

■ 42.9788, 44.3593,
58.7620

■ 45.6697, 46.3974,
69.9677

Harmonies

Analogous

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



36.6849, 31.9722, 10.1933



29.3885, 31.9722, 8.6253



23.3566, 31.9722, 11.5245

Triad

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



29.3885, 31.9722, 8.6253



20.4775, 31.9722, 61.6687



44.3600, 31.9722, 54.6120

Complementary

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



29.3885, 31.9722, 8.6253



12.0121, 9.3651, 40.7094

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.



38.7069, 31.9722, 77.9439



29.3885, 31.9722, 8.6253



24.8574, 31.9722, 83.0066

Square

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



29.3885, 31.9722, 8.6253



18.7436, 31.9722, 37.7896



31.4112, 31.9722, 89.8919



46.0690, 31.9722, 31.9956

Rectangle

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



29.3885, 31.9722, 8.6253



20.6319, 31.9722, 16.6590



31.4112, 31.9722, 89.8919



42.8190, 31.9722, 62.8759

Sweetspot

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



29.3892, 31.9737, 8.6259



63.7630, 68.6051, 52.8055



20.1610, 12.4763, 8.7590



13.6700, 14.7418, 10.7761



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.3892, 31.9737, 8.6259



50.4472, 54.3224, 10.2969



25.9557, 35.4756, 9.4829



8.5424, 9.0897, 8.5176



19.9049, 21.0152, 3.0072



0.5844, 0.6459, 0.0939

Inverse Universe

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



12.0121, 9.3651, 40.7094



17.1767, 11.1405, 72.0508



13.7151, 8.4454, 40.4421



7.6873, 7.9740, 10.0867



5.9143, 2.9624, 29.3046



0.1975, 0.1483, 0.8262

Previews

White Background



This preview shows how the XYZ color 29.3885, 31.9722, 8.6253 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 29.3885, 31.9722, 8.6253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

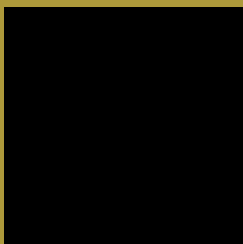
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

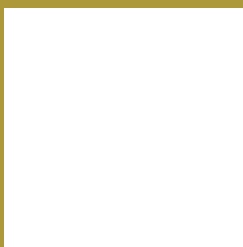
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3885, 31.9722, 8.6253

Background



This preview shows how black text looks on a background with the XYZ color 29.3885, 31.9722, 8.6253.



This preview shows how white text looks on a background with the XYZ color 29.3885, 31.9722,

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

29.3885, 31.9722, 8.6253

Protanopia

29.1139, 32.0746, 8.6595

Deuteranopia

32.5804, 31.9604, 8.7268



Tritanopia

34.7113, 31.8018, 34.8807

Trichromacy



Original Color

29.3885, 31.9722, 8.6253

Protanomaly

29.3326, 32.1873, 8.6698

Deuteranomaly

31.3040, 32.0010, 8.6646

Tritanomaly

32.1236, 31.6643, 21.8715

Monochromacy



Original Color

29.3885, 31.9722, 8.6253

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.9055, 30.2186, 20.5817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3885, 31.9722, 8.6253 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(173, 153, 58)` looks like.

```
.text, #text, p{  
    color:rgb(173, 153, 58)  
}
```

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(173, 153, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 153, 58) }
```

Border

The CSS property to change the border of an element to XYZ 29.3885, 31.9722, 8.6253 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(173, 153, 58) }
```


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

```
.border{ border-color:rgb(173, 153, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 153, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 153, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 153, 58);  
box-shadow:4px 4px 4px 4px rgb(173, 153,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3885, 31.9722, 8.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 153, 58) }
```

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

```
.background{ background-color: rgb(173,  
153, 58) }
```

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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