

Converting Colors

XYZ(29.1344, 31.5758, 11.6268)

Have a look what the booklet for
XYZ(29.1344, 31.5758, 11.6268)
contains.

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Color

**XYZ(29.1454, 31.5383,
11.5726)**

Conversions

Conversions Part 1

Format	Color
Hex	AA984D
RGB	170, 152, 77
RGB Percent	67%, 60%, 30%
CMY	0.3333, 0.4039, 0.6980
CMYK	0.00, 0.11, 0.55, 0.33
HSL	48°, 38%, 48%
HSV	48°, 55%, 67%
XYZ	29.1454, 31.5383, 11.5726
YIQ	148.8320, 34.8030, -19.5090

Conversions

Conversions Part 2

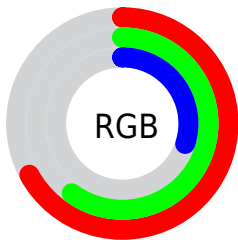
Format	Color
RYB	99, 170, 77
Decimal	11180109
CIELab	62.96, -3.17, 41.40
CIELCh	63, 41.521, 94.384
Yxy	31.5383, 0.4034, 0.4365
Android (android.graphics.Color)	4289370189 (0xFFAA984D)
YUV	148.8320, -35.4132, 18.5643
Hunter-Lab	56.1590, -5.6402, 27.0935

Details

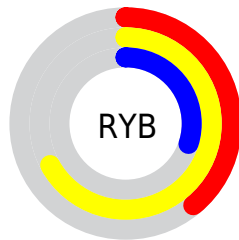
The XYZ color **29.1454, 31.5383, 11.5726** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.4085, 12.6642, 39.7153**, and the grayscale version is **28.6310, 30.1220, 32.8029**.

A 20% lighter version of the original color is **57.6461, 62.0320, 29.3572**, and **11.9335, 13.0360, 2.9859** is the 20% darker color. If you saturate the color by 10%, you get **28.0956, 30.2770, 8.6386**, and if you desaturate by 10%, it is **30.3684, 32.8949, 15.3390**.

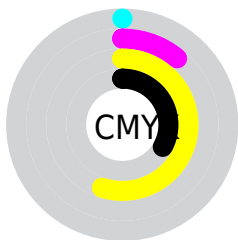
Distribution



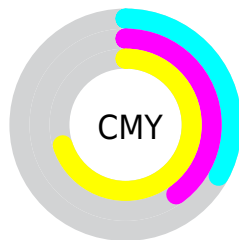
- Red (67%)
- Green (60%)
- Blue (30%)



- Red (39%)
- Yellow (67%)
- Blue (30%)



- Cyan (0%)
- Magenta (11%)
- Yellow (55%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1454, 31.5383, 11.5726 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 29.1454, 31.5383, 11.5726 by changing the saturation by 10% instead.

■ 29.1454, 31.5383,
11.5726

■ 29.1454, 31.5383,
11.5726

289.8822,
309.0107, 212.4314

■ 19.3357, 21.0091,
6.3344

■ 57.7040, 62.0866,
29.3669

■ 12.0185, 13.1306,
2.9774

■ 77.1835, 82.8745,
42.7601

■ 6.8286, 7.5186,
1.0831

■ 100.6171,
107.8507, 59.7087

■ 3.4005, 3.7885,
0.0000

■ 128.3700,
137.3996, 80.6312

■ 1.3689, 1.5560,
0.0000

■ 160.8076,
171.9057, 105.9462

■ 0.2339, 0.3276,
0.0000

198.2953,

■ 0.0000, 0.0000,

211.7533, 136.0722

0.0000

241.1984,
257.3268, 171.4277

■ 29.1454, 31.5383,
11.5726

■ 29.1454, 31.5383,
11.5726

■ 28.0956, 30.2770,
8.6386

■ 30.3684, 32.8949,
15.3390

■ 27.2041, 29.1014,
6.4691

■ 31.7736, 34.3471,
19.9946

■ 26.4572, 28.0070,
4.9889

■ 33.3720, 35.9006,
25.5935

■ 25.8372, 26.9864,
4.1056

■ 35.1731, 37.5595,
32.1849

■ 25.5380, 26.4669,
3.7626

■ 37.1857, 39.3274,
39.8146

■ 39.4180, 41.2078,
48.5255

■ 41.8778, 43.2040,
58.3580

■ 44.5725, 45.3191,
69.3506

■ 47.5092, 47.5561,
81.5400

Harmonies

Analogous

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



34.9741, 31.5383, 13.0852



29.1454, 31.5383, 11.5726



24.1975, 31.5383, 14.3885

Triad

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



29.1454, 31.5383, 11.5726



21.8030, 31.5383, 55.3159



40.9972, 31.5383, 49.7943

Complementary

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



29.1454, 31.5383, 11.5726



14.4085, 12.6642, 39.7153

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.



36.6087, 31.5383, 67.3449



29.1454, 31.5383, 11.5726



25.4787, 31.5383, 71.1783

Square

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



29.1454, 31.5383, 11.5726



20.3138, 31.5383, 36.7980



30.8227, 31.5383, 76.1615



42.2999, 31.5383, 31.9937

Rectangle

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



29.1454, 31.5383, 11.5726



21.9127, 31.5383, 19.0995



30.8227, 31.5383, 76.1615



39.8089, 31.5383, 56.0801

Sweetspot

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



29.1462, 31.5398, 11.5732



63.2746, 67.6575, 56.3762



21.3247, 14.6914, 12.6823



13.9613, 14.9521, 12.0211



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.



29.1462, 31.5398, 11.5732



50.5473, 54.3885, 14.5678



26.8870, 35.0450, 12.3689



8.0217, 8.5234, 8.0117



18.8249, 19.5470, 2.7808



0.4888, 0.5371, 0.0779

Inverse Universe

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



14.4085, 12.6642, 39.7153



21.0265, 16.6320, 71.1040



15.7239, 11.2077, 39.3648



7.2450, 7.5269, 9.4893



5.7675, 2.9952, 28.2496



0.1727, 0.1376, 0.6981

Previews

White Background



This preview shows how the XYZ color 29.1454, 31.5383, 11.5726 looks on a white background.

Color Contrast Check

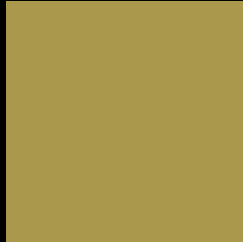
Large Text (above 18pt) WCAG AA × Fail

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 29.1454, 31.5383, 11.5726 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 29.1454, 31.5383, 11.5726

Background



This preview shows how black text looks on a background with the XYZ color 29.1454, 31.5383, 11.5726.



This preview shows how white text looks on a background with the XYZ color 29.1454, 31.5383,

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

29.1454, 31.5383, 11.5726

Protanopia

28.8792, 31.6431, 11.6068

Deuteranopia

32.0302, 31.3801, 11.7659



Tritanopia

33.8703, 31.3586, 35.2780

Trichromacy



Original Color

29.1454, 31.5383, 11.5726

Protanomaly

29.0930, 31.7533, 11.6168

Deuteranomaly

31.0211, 31.5536, 11.6632

Tritanomaly

31.5652, 31.0887, 24.4157

Monochromacy



Original Color

29.1454, 31.5383, 11.5726

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3861, 30.4109, 23.1127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1454, 31.5383, 11.5726 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(170, 152, 77)` looks like.

```
.text, #text, p{  
    color:rgb(170, 152, 77)  
}
```

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(170, 152, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 152, 77) }
```

Border

The CSS property to change the border of an element to XYZ 29.1454, 31.5383, 11.5726 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(170, 152, 77) }
```


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

```
.border{ border-color:rgb(170, 152, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 152, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 152, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 152, 77);  
box-shadow:4px 4px 4px 4px rgb(170, 152,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1454, 31.5383, 11.5726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 152, 77) }
```

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

```
.background{ background-color: rgb(170,  
152, 77) }
```

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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