

Converting Colors

XYZ(29.0210, 33.3122, 14.5574)

Have a look what the booklet for
XYZ(29.0210, 33.3122, 14.5574)
contains.

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Color

**XYZ(29.1142, 33.4569,
14.5962)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A05A
RGB	161, 160, 90
RGB Percent	63%, 63%, 35%
CMY	0.3686, 0.3725, 0.6471
CMYK	0.00, 0.01, 0.44, 0.37
HSL	59°, 28%, 49%
HSV	59°, 44%, 63%
XYZ	29.1142, 33.4569, 14.5962
YIQ	152.3190, 23.0660, -21.5580

Conversions

Conversions Part 2

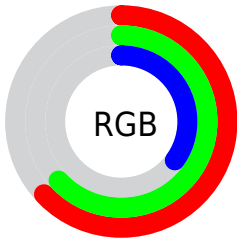
Format	Color
RYB	91, 161, 90
Decimal	10592346
CIELab	64.53, -10.06, 36.49
CIELCh	65, 37.847, 105.415
Yxy	33.4569, 0.3773, 0.4336
Android (android.graphics.Color)	4288782426 (0xFFA1A05A)
YUV	152.3190, -30.7233, 7.6132
Hunter-Lab	57.8419, -11.3771, 25.5277

Details

The XYZ color **29.1142, 33.4569, 14.5962** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3905, 12.2286, 35.3200**, and the grayscale version is **30.1053, 31.6732, 34.4921**.

A 20% lighter version of the original color is **57.7234, 65.2757, 34.7564**, and **12.0709, 14.2926, 4.3130** is the 20% darker color. If you saturate the color by 10%, you get **28.4631, 33.1351, 11.3568**, and if you desaturate by 10%, it is **29.9155, 33.8413, 18.6188**.

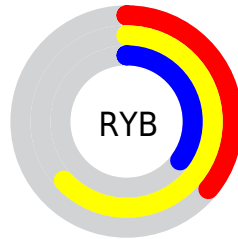
Distribution



Red (63%)

Green (63%)

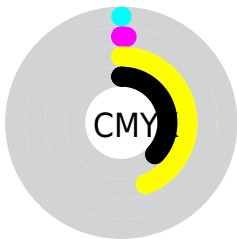
Blue (35%)



Red (36%)

Yellow (63%)

Blue (35%)

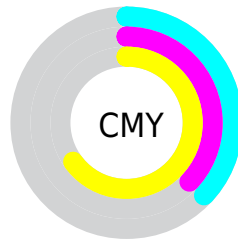


Cyan (0%)

Magenta (1%)

Yellow (44%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1142, 33.4569, 14.5962 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 29.1142, 33.4569, 14.5962 by changing the saturation by 10% instead.

■ 29.1142, 33.4569,
14.5962

■ 29.1142, 33.4569,
14.5962

289.7379,
317.7035, 232.4649

■ 19.3119, 22.4767,
8.3930

■ 57.6548, 65.0882,
34.8754

■ 12.0012, 14.2076,
4.2561

■ 77.1238, 86.5081,
49.7886

■ 6.8167, 8.2652,
1.7669

■ 100.5458,
112.1767, 68.4421

■ 3.3931, 4.2651,
0.4060

■ 128.2862,
142.4783, 91.2546

■ 1.3649, 1.8229,
0.0000

160.7102,
177.7974, 118.6446

■ 0.2310, 0.5014,
0.0000

198.1832,

■ 0.0000, 0.0000,

218.5184, 151.0306

0.0000

241.0707,
265.0257, 188.8312

■ 29.1142, 33.4569,
14.5962

■ 29.1142, 33.4569,
14.5962

■ 28.4631, 33.1351,
11.3568

■ 29.9155, 33.8413,
18.6188

■ 27.9501, 32.8675,
8.8476

■ 30.8732, 34.2871,
23.4689

■ 27.5650, 32.6511,
7.0121


■ 31.9965, 34.7993,
29.1901


■ 27.2956, 32.4812,
5.7850


■ 33.2928, 35.3809,
35.8221


■ 27.1268, 32.3516,
5.0876


■ 34.7693, 36.0346,
43.4024

 27.0519, 32.2850,
4.8058

 36.4326, 36.7631,
51.9663

 38.2891, 37.5690,
61.5472

 40.3448, 38.4548,
72.1772

 42.6057, 39.4227,
83.8866

Harmonies

Analogous

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



34.4916, 33.4569, 14.5355



29.1142, 33.4569, 14.5962



24.9519, 33.4569, 19.2636

Triad

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



29.1142, 33.4569, 14.5962



25.0427, 33.4569, 62.0312



42.9660, 33.4569, 44.4569

Complementary

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



29.1142, 33.4569, 14.5962



14.3905, 12.2286, 35.3200

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.



39.7983, 33.4569, 61.5967



29.1142, 33.4569, 14.5962



29.2518, 33.4569, 73.5330

Square

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



29.1142, 33.4569, 14.5962



22.7893, 33.4569, 44.9351



34.6456, 33.4569, 73.3546



42.9183, 33.4569, 29.0702

Rectangle

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



29.1142, 33.4569, 14.5962



23.2478, 33.4569, 25.3876



34.6456, 33.4569, 73.3546



42.2274, 33.4569, 50.2812

Sweetspot

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



29.1150, 33.4584, 14.5969



57.4893, 62.4070, 53.2268



20.2505, 15.6482, 11.8926



12.5092, 13.6420, 11.1678



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.1150, 33.4584, 14.5969



50.9860, 59.3479, 20.3920



23.2958, 30.7157, 14.3742



7.6409, 8.2201, 7.5640



21.6083, 25.7905, 3.8392



0.4565, 0.5469, 0.0815

Inverse Universe

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



14.3905, 12.2286, 35.3200



21.1289, 16.3024, 62.4196



18.4475, 14.1946, 35.4856



6.7081, 6.8751, 8.8765



5.1600, 2.0994, 27.0630



0.1107, 0.0486, 0.5694

Previews

White Background



This preview shows how the XYZ color 29.1142, 33.4569, 14.5962 looks on a white background.

Color Contrast Check

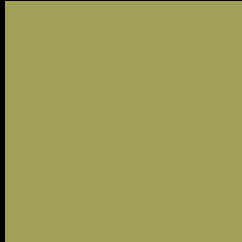
Large Text (above 18pt) WCAG AA × Fail

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 29.1142, 33.4569, 14.5962 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 29.1142, 33.4569, 14.5962

Background



This preview shows how black text looks on a background with the XYZ color 29.1142, 33.4569, 14.5962.



This preview shows how white text looks on a background with the XYZ color 29.1142, 33.4569,

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

29.1142, 33.4569, 14.5962

Protanopia

30.7049, 33.2689, 14.2544

Deuteranopia

33.9584, 33.2324, 14.9806



Tritanopia

34.0397, 33.2126, 39.2669

Trichromacy



Original Color

29.1142, 33.4569, 14.5962

Protanomaly

30.0086, 33.1600, 14.2701

Deuteranomaly

31.9134, 33.1389, 14.8396

Tritanomaly

31.7254, 32.9958, 27.9893

Monochromacy



Original Color

29.1142, 33.4569, 14.5962

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.2014, 31.9962, 25.4057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1142, 33.4569, 14.5962 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(161, 160, 90)` looks like.

```
.text, #text, p{  
    color:rgb(161, 160, 90)  
}
```

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(161, 160, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 160, 90) }
```

Border

The CSS property to change the border of an element to XYZ 29.1142, 33.4569, 14.5962 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(161, 160, 90) }
```


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

```
.border{ border-color:rgb(161, 160, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 160, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 160, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 160, 90);  
box-shadow:4px 4px 4px 4px rgb(161, 160,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1142, 33.4569, 14.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 160, 90) }
```

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

```
.background{ background-color: rgb(161,  
160, 90) }
```

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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