

Converting Colors

XYZ(29.5257, 32.4140, 13.7919)

Have a look what the booklet for
XYZ(29.5257, 32.4140, 13.7919)
contains.

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Color

**XYZ(29.5901, 32.4556,
13.7218)**

Conversions

Conversions Part 1

Format	Color
Hex	A89B57
RGB	168, 155, 87
RGB Percent	66%, 61%, 34%
CMY	0.3412, 0.3921, 0.6588
CMYK	0.00, 0.08, 0.48, 0.34
HSL	50°, 32%, 50%
HSV	50°, 48%, 66%
XYZ	29.5901, 32.4556, 13.7218
YIQ	151.1350, 29.5760, -18.3920

Conversions

Conversions Part 2

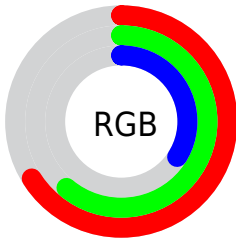
Format	Color
RYB	102, 168, 87
Decimal	11049815
CIELab	63.72, -4.74, 37.17
CIELCh	64, 37.473, 97.260
Yxy	32.4556, 0.3905, 0.4284
Android (android.graphics.Color)	4289239895 (0xFFA89B57)
YUV	151.1350, -31.6186, 14.7906
Hunter-Lab	56.9698, -6.9844, 25.5982

Details

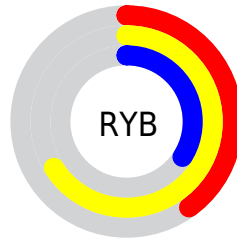
The XYZ color **29.5901, 32.4556, 13.7218** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5555, 13.9673, 38.9219**, and the grayscale version is **29.5962, 31.1375, 33.9087**.

A 20% lighter version of the original color is **58.4392, 63.4435, 33.2105**, and **12.2560, 13.6245, 3.9033** is the 20% darker color. If you saturate the color by 10%, you get **28.5388, 31.3264, 10.3703**, and if you desaturate by 10%, it is **30.8128, 33.6717, 17.9193**.

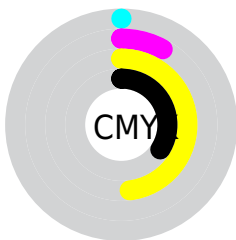
Distribution



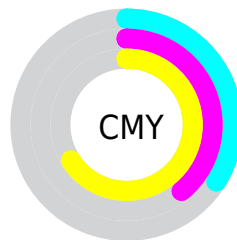
- Red (66%)
- Green (61%)
- Blue (34%)



- Red (40%)
- Yellow (66%)
- Blue (34%)



- Cyan (0%)
- Magenta (8%)
- Yellow (48%)
- Black (34%)



- Cyan (34%)
- Magenta (39%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5901, 32.4556, 13.7218 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 29.5901, 32.4556, 13.7218 by changing the saturation by 10% instead.

■ 29.5901, 32.4556,
13.7218

■ 29.5901, 32.4556,
13.7218

291.9334,
313.1895, 226.8611

■ 19.6742, 21.7097,
7.7909

■ 58.4044, 63.5246,
33.3046

■ 12.2653, 13.6438,
3.8756

■ 78.0336, 84.6166,
47.7935

■ 6.9981, 7.8733,
1.5573

■ 101.6312,
109.9261, 65.9722

■ 3.5072, 4.0140,
0.2601

■ 129.5626,
139.8374, 88.2592

■ 1.4273, 1.6814,
0.0000

■ 162.1931,
174.7350, 115.0731

■ 0.2756, 0.4116,
0.0000

199.8882,

■ 0.0000, 0.0000,

215.0033, 146.8323

0.0000

243.0132,
261.0266, 183.9555

■ 29.5901, 32.4556,
13.7218

■ 29.5901, 32.4556,
13.7218

■ 28.5388, 31.3264,
10.3703

■ 30.8128, 33.6717,
17.9193

■ 27.6451, 30.2751,
7.8035

■ 32.2147, 34.9744,
23.0143

■ 26.8971, 29.2978,
5.9551

■ 33.8060, 36.3691,
29.0565

■ 26.2799, 28.3886,
4.7471

■ 35.5954, 37.8594,
36.0916

■ 25.7677, 27.5370,
4.0433

■ 37.5910, 39.4486,
44.1621

■ 25.6800, 27.3880,
3.9329

■ 39.8006, 41.1399,
53.3081

■ 42.2313, 42.9363,
63.5676

■ 44.8902, 44.8406,
74.9768

■ 47.7837, 46.8557,
87.5701

Harmonies

Analogous

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



34.9160, 32.4556, 14.8224



29.5901, 32.4556, 13.7218



25.1323, 32.4556, 16.9649

Triad

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



29.5901, 32.4556, 13.7218



23.4926, 32.4556, 55.8857



41.1236, 32.4556, 47.7301

Complementary

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



29.5901, 32.4556, 13.7218



15.5555, 13.9673, 38.9219

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.



37.3707, 32.4556, 63.6959



29.5901, 32.4556, 13.7218



27.1091, 32.4556, 69.2606

Square

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



29.5901, 32.4556, 13.7218



21.8806, 32.4556, 39.1188



32.1412, 32.4556, 72.4644



41.9817, 32.4556, 31.8102

Rectangle

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



29.5901, 32.4556, 13.7218



23.1139, 32.4556, 21.8983



32.1412, 32.4556, 72.4644



40.1397, 32.4556, 53.3887

Sweetspot

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



29.5909, 32.4571, 13.7225



62.5868, 67.0460, 57.5581



21.8814, 16.0714, 14.1331



13.4979, 14.4926, 11.9856



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.



29.5909, 32.4571, 13.7225



51.6389, 56.6786, 18.3679



26.7076, 34.3562, 14.2410



8.0429, 8.5658, 8.0187



19.4237, 20.7446, 2.9804



0.4991, 0.5578, 0.0814

Inverse Universe

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



15.5555, 13.9673, 38.9219



23.1010, 19.1131, 69.6967



17.4158, 13.2213, 38.6798



7.2254, 7.4878, 9.4828



5.6585, 2.7771, 28.2133



0.1654, 0.1230, 0.6957

Previews

White Background



This preview shows how the XYZ color 29.5901, 32.4556, 13.7218 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 29.5901, 32.4556, 13.7218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

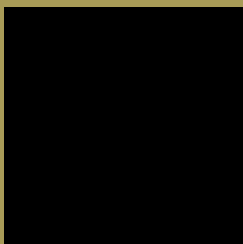
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

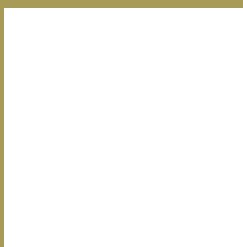
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5901, 32.4556, 13.7218

Background



This preview shows how black text looks on a background with the XYZ color 29.5901, 32.4556, 13.7218.



This preview shows how white text looks on a background with the XYZ color 29.5901, 32.4556,

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

29.5901, 32.4556, 13.7218

Protanopia

29.8535, 32.3454, 13.6867

Deuteranopia

32.9759, 32.2801, 13.9439



Tritanopia

34.2845, 32.4500, 36.8042

Trichromacy



Original Color

29.5901, 32.4556, 13.7218

Protanomaly

29.6381, 32.2343, 13.6766

Deuteranomaly

31.7239, 32.3410, 13.8029

Tritanomaly

32.0845, 32.2493, 26.3635

Monochromacy



Original Color

29.5901, 32.4556, 13.7218

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0291, 31.1831, 24.9110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5901, 32.4556, 13.7218 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(168, 155, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 155, 87)  
}
```

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(168, 155, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 155, 87) }
```

Border

The CSS property to change the border of an element to XYZ 29.5901, 32.4556, 13.7218 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(168, 155, 87) }
```


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

```
.border{ border-color:rgb(168, 155, 87) }
```

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

Here you see how a box with a 4 pixel rgb(168, 155, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 155, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 155, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 155,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5901, 32.4556, 13.7218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 155, 87) }
```

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

```
.background{ background-color: rgb(168,  
155, 87) }
```

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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