

Converting Colors

XYZ(29.4632, 32.6963, 13.6772)

Have a look what the booklet for
XYZ(29.4632, 32.6963, 13.6772)
contains.

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Color

**XYZ(29.5451, 32.6805,
13.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	A79C57
RGB	167, 156, 87
RGB Percent	65%, 61%, 34%
CMY	0.3451, 0.3882, 0.6588
CMYK	0.00, 0.07, 0.48, 0.35
HSL	52°, 31%, 50%
HSV	52°, 48%, 65%
XYZ	29.5451, 32.6805, 13.7676
YIQ	151.4230, 28.7050, -19.1270

Conversions

Conversions Part 2

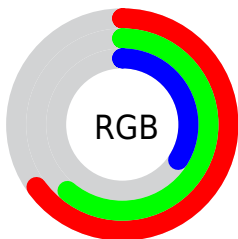
Format	Color
RYB	100, 167, 87
Decimal	10984535
CIELab	63.90, -5.70, 37.38
CIELCh	64, 37.809, 98.670
Yxy	32.6805, 0.3888, 0.4300
Android (android.graphics.Color)	4289174615 (0xFFA79C57)
YUV	151.4230, -31.7605, 13.6610
Hunter-Lab	57.1669, -7.7893, 25.7379

Details

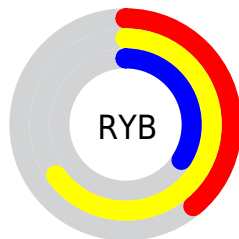
The XYZ color **29.5451, 32.6805, 13.7676** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2731, 13.5512, 38.3698**, and the grayscale version is **29.7208, 31.2686, 34.0515**.

A 20% lighter version of the original color is **58.3745, 63.7755, 33.2780**, and **12.2278, 13.7603, 3.9310** is the 20% darker color. If you saturate the color by 10%, you get **28.5590, 31.6767, 10.4535**, and if you desaturate by 10%, it is **30.6979, 33.7650, 17.9168**.

Distribution



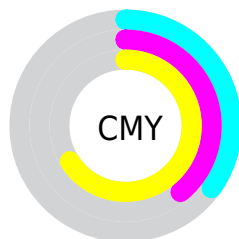
- Red (65%)
- Green (61%)
- Blue (34%)



- Red (39%)
- Yellow (65%)
- Blue (34%)



- Cyan (0%)
- Magenta (7%)
- Yellow (48%)
- Black (35%)



- Cyan (35%)
- Magenta (39%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5451, 32.6805, 13.7676 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 29.5451, 32.6805, 13.7676 by changing the saturation by 10% instead.

■ 29.5451, 32.6805,
13.7676

■ 29.5451, 32.6805,
13.7676

291.7263,
314.2076, 227.1582

■ 19.6399, 21.8818,
7.8223

■ 58.3336, 63.8764,
33.3873

■ 12.2403, 13.7701,
3.8953

■ 77.9477, 85.0424,
47.8987

■ 6.9809, 7.9609,
1.5681

■ 101.5287,
110.4329, 66.1026

■ 3.4964, 4.0700,
0.2679

■ 129.4421,
140.4324, 88.4176

■ 1.4214, 1.7128,
0.0000

■ 162.0532,
175.4252, 115.2620

■ 0.2714, 0.4319,
0.0000

199.7274,

■ 0.0000, 0.0000,

215.7957, 147.0546

0.0000

242.8299,
261.9284, 184.2138

■ 29.5451, 32.6805,
13.7676

■ 29.5451, 32.6805,
13.7676

■ 28.5590, 31.6767,
10.4535

■ 30.6979, 33.7650,
17.9168

■ 27.7262, 30.7447,
7.9142

■ 32.0252, 34.9298,
22.9517

■ 27.0349, 29.8808,
6.0849

■ 33.5367, 36.1800,
28.9211

■ 26.4706, 29.0791,
4.8890

■ 35.2412, 37.5193,
35.8700

■ 26.0088, 28.3298,
4.1980

■ 37.1466, 38.9509,
43.8400

■ 25.9166, 28.1760,
4.0726

■ 39.2605, 40.4777,
52.8708

■ 41.5898, 42.1028,
62.9997

■ 44.1416, 43.8290,
74.2621

■ 46.9221, 45.6587,
86.6921

Harmonies

Analogous

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



34.9335, 32.6805, 14.6747



29.5451, 32.6805, 13.7676



25.0981, 32.6805, 17.2602

Triad

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



29.5451, 32.6805, 13.7676



23.7396, 32.6805, 57.2090



41.5990, 32.6805, 47.3398

Complementary

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



29.5451, 32.6805, 13.7676



15.2731, 13.5512, 38.3698

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.



37.9025, 32.6805, 63.7104



29.5451, 32.6805, 13.7676



27.4873, 32.6805, 70.4468

Square

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



29.5451, 32.6805, 13.7676



22.0064, 32.6805, 40.1852



32.6296, 32.6805, 73.1163



42.3124, 32.6805, 31.3472

Rectangle

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



29.5451, 32.6805, 13.7676



23.1172, 32.6805, 22.4199



32.6296, 32.6805, 73.1163



40.6454, 32.6805, 53.0952

Sweetspot

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



29.5459, 32.6820, 13.7683



61.1356, 65.6529, 56.1305



21.5969, 15.9331, 13.7419



13.5425, 14.5818, 12.0005



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.



29.5459, 32.6820, 13.7683



51.1265, 56.7088, 18.6543



26.1866, 33.8145, 14.1639



8.0577, 8.5954, 8.0237



19.8581, 21.6134, 3.1252



0.5065, 0.5726, 0.0838

Inverse Universe

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



15.2731, 13.5512, 38.3698



22.6224, 18.5261, 67.8588



17.4538, 13.2516, 38.1970



7.2119, 7.4607, 9.4783



5.5934, 2.6469, 28.1916



0.1603, 0.1128, 0.6940

Previews

White Background



This preview shows how the XYZ color 29.5451, 32.6805, 13.7676 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 29.5451, 32.6805, 13.7676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

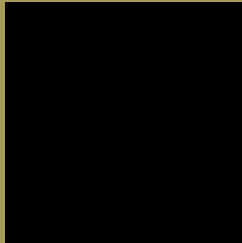
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5451, 32.6805, 13.7676

Background



This preview shows how black text looks on a background with the XYZ color 29.5451, 32.6805, 13.7676.



This preview shows how white text looks on a background with the XYZ color 29.5451, 32.6805,

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

29.5451, 32.6805, 13.7676

Protanopia

30.0192, 32.6769, 13.7419

Deuteranopia

33.3793, 32.7199, 14.0075



Tritanopia

34.3035, 32.6817, 37.3011

Trichromacy



Original Color

29.5451, 32.6805, 13.7676

Protanomaly

29.8038, 32.5658, 13.7318

Deuteranomaly

31.8841, 32.6616, 13.8564

Tritanomaly

32.0948, 32.4846, 26.7689

Monochromacy



Original Color

29.5451, 32.6805, 13.7676

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1921, 31.5091, 24.9653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5451, 32.6805, 13.7676 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(167, 156, 87)` looks like.

```
.text, #text, p{  
    color:rgb(167, 156, 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(167, 156, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 156, 87) }
```

Border

The CSS property to change the border of an element to XYZ 29.5451, 32.6805, 13.7676 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(167, 156, 87) }
```


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

```
.border{ border-color:rgb(167, 156, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 156, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 156, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 156, 87);  
box-shadow:4px 4px 4px 4px rgb(167, 156,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5451, 32.6805, 13.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 156, 87) }
```

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

```
.background{ background-color: rgb(167,  
156, 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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