

Converting Colors

XYZ(29.8631, 32.4936, 13.2923)

Have a look what the booklet for
XYZ(29.8631, 32.4936, 13.2923)
contains.

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Color

**XYZ(29.9386, 32.6446,
13.3174)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9B55
RGB	170, 155, 85
RGB Percent	67%, 61%, 33%
CMY	0.3333, 0.3921, 0.6667
CMYK	0.00, 0.09, 0.50, 0.33
HSL	49°, 33%, 50%
HSV	49°, 50%, 67%
XYZ	29.9386, 32.6446, 13.3174
YIQ	151.5050, 31.4100, -18.5900

Conversions

Conversions Part 2

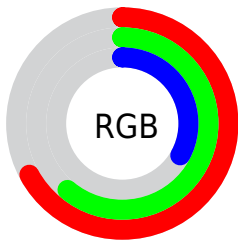
Format	Color
RYB	103, 170, 85
Decimal	11180885
CIELab	63.87, -4.08, 38.43
CIELCh	64, 38.649, 96.054
Yxy	32.6446, 0.3944, 0.4301
Android (android.graphics.Color)	4289370965 (0xFFAA9B55)
YUV	151.5050, -32.7870, 16.2201
Hunter-Lab	57.1355, -6.4542, 26.1752

Details

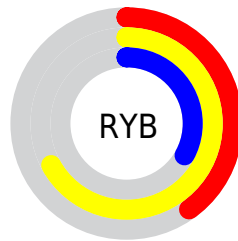
The XYZ color **29.9386, 32.6446, 13.3174** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5591, 13.9475, 39.9022**, and the grayscale version is **29.7596, 31.3094, 34.0960**.

A 20% lighter version of the original color is **58.9230, 63.7094, 32.4841**, and **12.4712, 13.7410, 3.6640** is the 20% darker color. If you saturate the color by 10%, you get **28.8501, 31.4216, 10.0136**, and if you desaturate by 10%, it is **31.2034, 33.9603, 17.4812**.

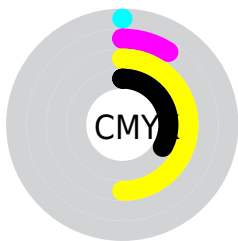
Distribution



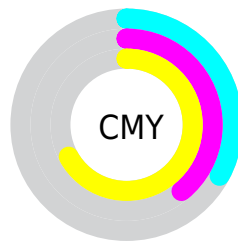
- Red (67%)
- Green (61%)
- Blue (33%)



- Red (40%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9386, 32.6446, 13.3174 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 29.9386, 32.6446, 13.3174 by changing the saturation by 10% instead.

■ 29.9386, 32.6446,
13.3174

■ 29.9386, 32.6446,
13.3174

293.5331,
314.0452, 224.2207

■ 19.9398, 21.8543,
7.5142

■ 58.9524, 63.8203,
32.5723

■ 12.4593, 13.7499,
3.7024

■ 78.6981, 84.9744,
46.8612

■ 7.1317, 7.9469,
1.4635

■ 102.4234,
110.3520, 64.8156

■ 3.5917, 4.0610,
0.1906

■ 130.4939,
140.3375, 86.8541

■ 1.4738, 1.7077,
0.0000

■ 163.2747,
175.3151, 113.3954

■ 0.3079, 0.4287,
0.0000

201.1313,

■ 0.0000, 0.0000,

215.6693, 144.8579

0.0000

244.4290,
261.7846, 181.6602

■ 29.9386, 32.6446,
13.3174

■ 29.9386, 32.6446,
13.3174

■ 28.8501, 31.4216,
10.0136

■ 31.2034, 33.9603,
17.4812

■ 27.9235, 30.2819,
7.5055

■ 32.6528, 35.3687,
22.5592

■ 27.1463, 29.2215,
5.7231

■ 34.2974, 36.8753,
28.6032

■ 26.5024, 28.2338,
4.5832

■ 36.1464, 38.4838,
35.6608

■ 25.9569, 27.3048,
3.9023

■ 38.2082, 40.1979,
43.7763

■ 25.9569, 27.3047,
3.9023

■ 40.4908, 42.0208,
52.9914

■ 43.0018, 43.9558,
63.3457

■ 45.7485, 46.0058,
74.8766

■ 48.7377, 48.1737,
87.6199

Harmonies

Analogous

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



35.4651, 32.6446, 14.6090



29.9386, 32.6446, 13.3174



25.2750, 32.6446, 16.4242

Triad

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



29.9386, 32.6446, 13.3174



23.3232, 32.6446, 56.2275



41.5913, 32.6446, 49.1271

Complementary

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



29.9386, 32.6446, 13.3174



15.5591, 13.9475, 39.9022

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.



37.5931, 32.6446, 65.6440



29.9386, 32.6446, 13.3174



26.9768, 32.6446, 70.5108

Square

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



29.9386, 32.6446, 13.3174



21.7533, 32.6446, 38.7951



32.1429, 32.6446, 74.3827



42.6222, 32.6446, 32.4806

Rectangle

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



29.9386, 32.6446, 13.3174



23.1413, 32.6446, 21.3152



32.1429, 32.6446, 74.3827



40.5287, 32.6446, 55.0117

Sweetspot

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



29.9394, 32.6461, 13.3181



63.7678, 68.2626, 57.7162



22.1548, 15.9748, 14.1213



14.0695, 15.0906, 12.2974



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.



29.9394, 32.6461, 13.3181



52.1486, 56.7789, 17.6049



27.3567, 35.2524, 13.9573



8.0326, 8.5453, 8.0153



19.1306, 20.1584, 2.8827



0.4941, 0.5477, 0.0797

Inverse Universe

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



15.5591, 13.9475, 39.9022



23.0785, 19.0146, 71.4557



17.1760, 12.8389, 39.6030



7.2349, 7.5066, 9.4860



5.7088, 2.8778, 28.2301



0.1689, 0.1301, 0.6968

Previews

White Background



This preview shows how the XYZ color 29.9386, 32.6446, 13.3174 looks on a white background.

Color Contrast Check

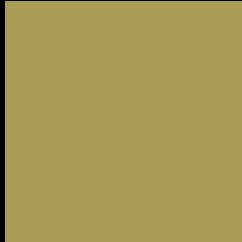
Large Text (above 18pt) WCAG AA × Fail

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 29.9386, 32.6446, 13.3174 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 29.9386, 32.6446, 13.3174

Background



This preview shows how black text looks on a background with the XYZ color 29.9386, 32.6446, 13.3174.



This preview shows how white text looks on a background with the XYZ color 29.9386, 32.6446,

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

29.9386, 32.6446, 13.3174

Protanopia

29.9386, 32.6446, 13.3174

Deuteranopia

33.2965, 32.6867, 13.5711



Tritanopia

34.7367, 32.6832, 36.8254

Trichromacy



Original Color

29.9386, 32.6446, 13.3174

Protanomaly

29.9386, 32.6446, 13.3174

Deuteranomaly

32.0377, 32.7502, 13.4369

Tritanomaly

32.4586, 32.4501, 26.0255

Monochromacy



Original Color

29.9386, 32.6446, 13.3174

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5856, 31.7119, 24.9838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9386, 32.6446, 13.3174 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, 155, 85)` looks like.

```
.text, #text, p{  
    color:rgb(170, 155, 85)  
}
```

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, 155, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 155, 85) }
```

Border

The CSS property to change the border of an element to XYZ 29.9386, 32.6446, 13.3174 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, 155, 85) }
```


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

```
.border{ border-color:rgb(170, 155, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 155, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 155, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 155, 85);  
box-shadow:4px 4px 4px 4px rgb(170, 155,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9386, 32.6446, 13.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 155, 85) }
```

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

```
.background{ background-color: rgb(170,  
155, 85) }
```

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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