

Converting Colors

XYZ(29.4557, 32.2113, 10.4593)

Have a look what the booklet for
XYZ(29.4557, 32.2113, 10.4593)
contains.

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Color

**XYZ(29.4557, 32.2113,
10.4593)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9A46
RGB	171, 154, 70
RGB Percent	67%, 60%, 27%
CMY	0.3294, 0.3961, 0.7255
CMYK	0.00, 0.10, 0.59, 0.33
HSL	50°, 42%, 47%
HSV	50°, 59%, 67%
XYZ	29.4557, 32.2113, 10.4593
YIQ	149.5070, 37.0960, -22.5200

Conversions

Conversions Part 2

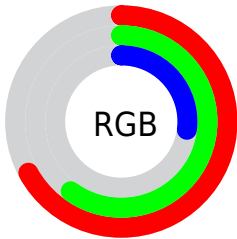
Format	Color
RYB	90, 171, 70
Decimal	11246150
CIELab	63.52, -4.39, 45.50
CIElCh	64, 45.713, 95.505
Yxy	32.2113, 0.4084, 0.4466
Android (android.graphics.Color)	4289436230 (0xFFAB9A46)
YUV	149.5070, -39.1970, 18.8494
Hunter-Lab	56.7550, -6.6802, 28.8020

Details

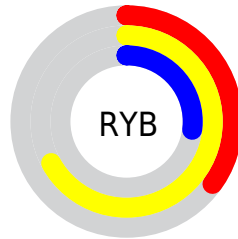
The XYZ color **29.4557, 32.2113, 10.4593** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.2847, 11.0585, 39.9623**, and the grayscale version is **28.9309, 30.4376, 33.1465**.

A 20% lighter version of the original color is **58.0020, 62.9862, 27.1897**, and **12.1619, 13.4572, 2.5288** is the 20% darker color. If you saturate the color by 10%, you get **28.5220, 31.0882, 7.8538**, and if you desaturate by 10%, it is **30.5561, 33.4217, 13.8794**.

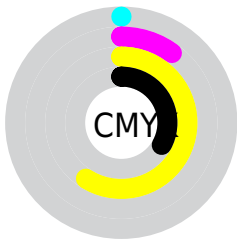
Distribution



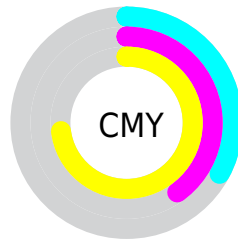
- Red (67%)
- Green (60%)
- Blue (27%)



- Red (35%)
- Yellow (67%)
- Blue (27%)



- Cyan (0%)
- Magenta (10%)
- Yellow (59%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4557, 32.2113, 10.4593 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 29.4557, 32.2113, 10.4593 by changing the saturation by 10% instead.

■ 29.4557, 32.2113,
10.4593

■ 29.4557, 32.2113,
10.4593

291.3146,
312.0807, 204.5219

■ 19.5718, 21.5229,
5.5950

■ 58.1929, 63.1422,
27.2771

■ 12.1906, 13.5068,
2.5356

■ 77.7769, 84.1535,
40.0676

■ 6.9468, 7.7784,
0.8589

■ 101.3250,
109.3746, 56.3373

■ 3.4749, 3.9535,
0.0000

■ 129.2026,
139.1899, 76.5047

■ 1.4096, 1.6476,
0.0000

■ 161.7750,
173.9838, 100.9883

■ 0.2630, 0.3894,
0.0000

199.4076,

■ 0.0000, 0.0000,

214.1406, 130.2067

0.0000

242.4657,
260.0447, 164.5784

■ 29.4557, 32.2113,
10.4593

■ 29.4557, 32.2113,
10.4593

■ 28.5220, 31.0882,
7.8538

■ 30.5561, 33.4217,
13.8794

■ 27.7391, 30.0422,
5.9900

■ 31.8327, 34.7198,
18.1745

■ 27.0919, 29.0686,
4.7858

■ 33.2972, 36.1115,
23.4018

■ 26.5501, 28.1549,
4.0811

■ 34.9593, 37.6008,
29.6130

■ 26.5010, 28.0709,
4.0215

■ 36.8284, 39.1916,
36.8557

■ 38.9128, 40.8874,
45.1749

■ 41.2208, 42.6916,
54.6126

■ 43.7599, 44.6072,
65.2086

■ 46.5373, 46.6374,
77.0008

Harmonies

Analogous

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



35.9810, 32.2113, 11.8543



29.4557, 32.2113, 10.4593



24.0383, 32.2113, 13.5635

Triad

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



29.4557, 32.2113, 10.4593



21.6871, 32.2113, 59.6482



43.1710, 32.2113, 51.7222

Complementary

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



29.4557, 32.2113, 10.4593



13.2847, 11.0585, 39.9623

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.



38.2956, 32.2113, 72.0862



29.4557, 32.2113, 10.4593



25.8125, 32.2113, 77.6648

Square

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



29.4557, 32.2113, 10.4593



19.9695, 32.2113, 38.5470



31.8061, 32.2113, 82.8664



44.4998, 32.2113, 31.8136

Rectangle

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



29.4557, 32.2113, 10.4593



21.5889, 32.2113, 18.7196



31.8061, 32.2113, 82.8664



41.8625, 32.2113, 58.9295

Sweetspot

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



29.4565, 32.2128, 10.4600



62.8468, 67.5471, 53.9365



20.7679, 13.7518, 10.9053



13.8165, 14.8894, 11.2735



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.



29.4565, 32.2128, 10.4600



50.6057, 55.0646, 12.8622



26.3188, 35.0584, 11.1746



8.5463, 9.0973, 8.5189



20.0111, 21.2277, 3.0427



0.5866, 0.6503, 0.0946

Inverse Universe

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



13.2847, 11.0585, 39.9623



19.0286, 13.8224, 70.6670



15.0188, 10.1448, 39.6946



7.6838, 7.9670, 10.0855



5.8958, 2.9254, 29.2984



0.1961, 0.1455, 0.8257

Previews

White Background



This preview shows how the XYZ color 29.4557, 32.2113, 10.4593 looks on a white background.

Color Contrast Check

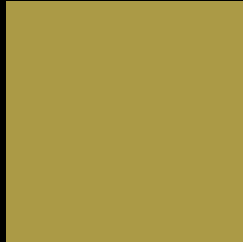
Large Text (above 18pt) WCAG AA × Fail

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 29.4557, 32.2113, 10.4593 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 29.4557, 32.2113, 10.4593

Background



This preview shows how black text looks on a background with the XYZ color 29.4557, 32.2113, 10.4593.



This preview shows how white text looks on a background with the XYZ color 29.4557, 32.2113,

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

29.4557, 32.2113, 10.4593

Protanopia

29.4557, 32.2113, 10.4593

Deuteranopia

32.6838, 31.9728, 10.5796



Tritanopia

34.7166, 32.2348, 35.8447

Trichromacy



Original Color

29.4557, 32.2113, 10.4593

Protanomaly

29.4557, 32.2113, 10.4593

Deuteranomaly

31.4132, 32.0171, 10.4855

Tritanomaly

32.1961, 31.8906, 23.8606

Monochromacy



Original Color

29.4557, 32.2113, 10.4593

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6183, 30.7828, 22.5225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4557, 32.2113, 10.4593 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(171, 154, 70)` looks like.

```
.text, #text, p{  
    color:rgb(171, 154, 70)  
}
```

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(171, 154, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 154, 70) }
```

Border

The CSS property to change the border of an element to XYZ 29.4557, 32.2113, 10.4593 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(171, 154, 70) }
```


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

```
.border{ border-color:rgb(171, 154, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 154, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 154, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 154, 70);  
box-shadow:4px 4px 4px 4px rgb(171, 154,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4557, 32.2113, 10.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 154, 70) }
```

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

```
.background{ background-color: rgb(171,  
154, 70) }
```

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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