

Converting Colors

XYZ(28.5272, 32.8802, 14.5137)

Have a look what the booklet for
XYZ(28.5272, 32.8802, 14.5137)
contains.

XYZ(28.5417, 32.9054, 14.5199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.5417, 32.9054,
14.5199)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9F5A
RGB	159, 159, 90
RGB Percent	62%, 62%, 35%
CMY	0.3765, 0.3765, 0.6471
CMYK	0.00, 0.00, 0.43, 0.38
HSL	60°, 28%, 49%
HSV	60°, 43%, 62%
XYZ	28.5417, 32.9054, 14.5199
YIQ	151.1340, 22.1490, -21.4590

Conversions

Conversions Part 2

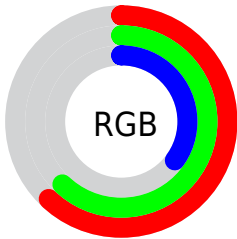
Format	Color
RYB	90, 159, 90
Decimal	10461018
CIELab	64.08, -10.37, 35.90
CIELCh	64, 37.363, 106.108
Yxy	32.9054, 0.3757, 0.4332
Android (android.graphics.Color)	4288651098 (0xFF9F9F5A)
YUV	151.1340, -30.1391, 6.8985
Hunter-Lab	57.3632, -11.5710, 25.1467

Details

The XYZ color **28.5417, 32.9054, 14.5199** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1317, 11.9900, 34.3723**, and the grayscale version is **29.5919, 31.1330, 33.9038**.

A 20% lighter version of the original color is **56.8786, 64.4633, 34.6441**, and **11.7243, 13.9565, 4.2664** is the 20% darker color. If you saturate the color by 10%, you get **27.9362, 32.6644, 11.3289**, and if you desaturate by 10%, it is **29.2936, 33.2074, 18.4748**.

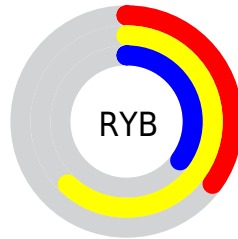
Distribution



Red (62%)

Green (62%)

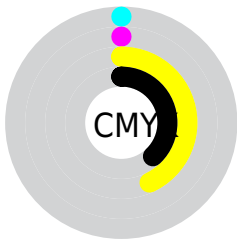
Blue (35%)



Red (35%)

Yellow (62%)

Blue (35%)

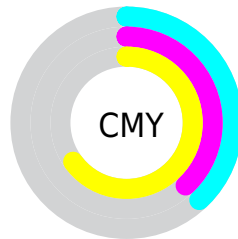


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5417, 32.9054, 14.5199 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 28.5417, 32.9054, 14.5199 by changing the saturation by 10% instead.

■ 28.5417, 32.9054,
14.5199

■ 28.5417, 32.9054,
14.5199

287.0798,
315.2232, 231.9814

■ 18.8769, 22.0540,
8.3403

■ 56.7508, 64.2278,
34.7390

■ 11.6849, 13.8966,
4.2226

■ 76.0258, 85.4676,
49.6156

■ 6.6001, 8.0488,
1.7482

■ 99.2349, 110.9390,
68.2282

■ 3.2574, 4.1262,
0.3935

■ 126.7435,
141.0263, 90.9955

■ 1.2913, 1.7444,
0.0000

158.9169,
176.1140, 118.3359

■ 0.1767, 0.4522,
0.0000

196.1205,

■ 0.0000, 0.0000,

216.5865, 150.6680

0.0000

238.7197,
262.8281, 188.4103

■ 28.5417, 32.9054,
14.5199

■ 28.5417, 32.9054,
14.5199

■ 27.9362, 32.6644,
11.3289

■ 29.2936, 33.2074,
18.4748

■ 27.4654, 32.4760,
8.8508

■ 30.1980, 33.5691,
23.2362

■ 27.1197, 32.3377,
7.0312


■ 31.2635, 33.9954,
28.8462


■ 26.8871, 32.2447,
5.8076


■ 32.4975, 34.4890,
35.3433


■ 26.7535, 32.1912,
5.1051


■ 33.9068, 35.0527,
42.7634

 26.6959, 32.1681,
4.8020

 35.4978, 35.6892,
51.1409

 37.2768, 36.4008,
60.5079

 39.2496, 37.1899,
70.8954

 41.4218, 38.0588,
82.3329

Harmonies

Analogous

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



33.7779, 32.9054, 14.3611



28.5417, 32.9054, 14.5199



24.5129, 32.9054, 19.2098

Triad

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



28.5417, 32.9054, 14.5199



24.7497, 32.9054, 61.1417



42.2065, 32.9054, 43.2753

Complementary

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



28.5417, 32.9054, 14.5199



14.1317, 11.9900, 34.3723

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.



39.1800, 32.9054, 60.0132



28.5417, 32.9054, 14.5199



28.9000, 32.9054, 72.1293

Square

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



28.5417, 32.9054, 14.5199



22.4980, 32.9054, 44.5190



34.1787, 32.9054, 71.6663



42.0825, 32.9054, 28.3495

Rectangle

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



28.5417, 32.9054, 14.5199



22.8787, 32.9054, 25.2921



34.1787, 32.9054, 71.6663



41.5104, 32.9054, 48.9468

Sweetspot

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



28.5425, 32.9069, 14.5206



56.0176, 60.8913, 51.8199



19.8008, 15.4222, 11.6064



12.5328, 13.6894, 11.1757



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.



28.5425, 32.9069, 14.5206



50.0677, 58.5112, 20.4955



22.6295, 29.8586, 14.2439



7.1702, 7.7204, 7.0979



21.0840, 25.4059, 3.7926



0.3770, 0.4543, 0.0678

Inverse Universe

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



14.1317, 11.9900, 34.3723



20.8451, 16.0951, 60.7515



18.2998, 14.1387, 34.5674



6.2848, 6.4353, 8.3176



4.9429, 1.9772, 26.0283



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 28.5417, 32.9054, 14.5199 looks on a white background.

Color Contrast Check

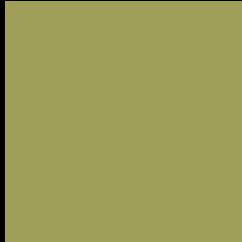
Large Text (above 18pt) WCAG AA × Fail

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 28.5417, 32.9054, 14.5199 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 28.5417, 32.9054, 14.5199

Background



This preview shows how black text looks on a background with the XYZ color 28.5417, 32.9054, 14.5199.



This preview shows how white text looks on a background with the XYZ color 28.5417, 32.9054,

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

28.5417, 32.9054, 14.5199

Protanopia

30.1021, 32.7100, 14.1783

Deuteranopia

33.3047, 32.6615, 14.9049



Tritanopia

33.5245, 32.9573, 38.7769

Trichromacy



Original Color

28.5417, 32.9054, 14.5199

Protanomaly

29.4175, 32.6052, 14.1942

Deuteranomaly

31.2915, 32.5763, 14.7638

Tritanomaly

31.3094, 32.7813, 27.9698

Monochromacy



Original Color

28.5417, 32.9054, 14.5199

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.8445, 31.5662, 25.3415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5417, 32.9054, 14.5199 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(159, 159, 90)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 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(159, 159, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.5417, 32.9054, 14.5199 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(159, 159, 90) }
```


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

```
.border{ border-color:rgb(159, 159, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 90);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5417, 32.9054, 14.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 90) }
```

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

```
.background{ background-color: rgb(159,  
159, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor