

Converting Colors

XYZ(33.4828, 29.4928, 15.5227)

Have a look what the booklet for
XYZ(33.4828, 29.4928, 15.5227)
contains.

XYZ(33.3571, 29.3927, 15.4705)	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(33.3571, 29.3927,
15.4705)**

Conversions

Conversions Part 1

Format	Color
Hex	C48562
RGB	196, 133, 98
RGB Percent	77%, 52%, 38%
CMY	0.2314, 0.4784, 0.6157
CMYK	0.00, 0.32, 0.50, 0.23
HSL	21°, 45%, 58%
HSV	21°, 50%, 77%
XYZ	33.3571, 29.3927, 15.4705
YIQ	147.8470, 48.7830, 2.4710

Conversions

Conversions Part 2

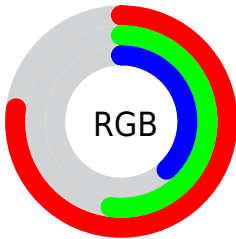
Format	Color
RYB	196, 152, 98
Decimal	12879202
CIELab	61.13, 20.24, 28.61
CIELCh	61, 35.050, 54.724
Yxy	29.3927, 0.4265, 0.3758
Android (android.graphics.Color)	4291069282 (0xFFC48562)
YUV	147.8470, -24.5746, 42.2302
Hunter-Lab	54.2150, 14.9501, 21.0319

Details

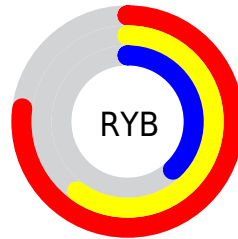
The XYZ color **33.3571, 29.3927, 15.4705** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **27.7450, 32.0704, 56.9523**, and the grayscale version is **28.1702, 29.6372, 32.2749**.

A 20% lighter version of the original color is **64.2237, 58.5477, 36.3497**, and **14.3383, 11.9145, 4.6760** is the 20% darker color. If you saturate the color by 10%, you get **30.9199, 25.8225, 10.6380**, and if you desaturate by 10%, it is **36.2293, 33.4703, 21.5665**.

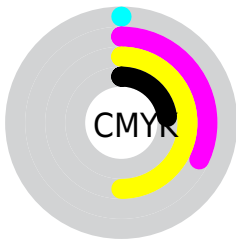
Distribution



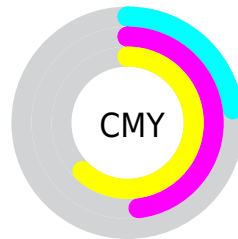
- Red (77%)
- Green (52%)
- Blue (38%)



- Red (77%)
- Yellow (60%)
- Blue (38%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (23%)





- Cyan (23%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3571, 29.3927, 15.4705 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 33.3571, 29.3927, 15.4705 by changing the saturation by 10% instead.


 33.3571, 29.3927,
15.4705

 33.3571, 29.3927,
15.4705


308.8924,
299.0633, 237.9347


 22.5607, 19.3781,
9.0000


 64.2836, 58.7004,
36.4304

 14.3884, 11.9438,
4.6444


 85.1444, 78.7623,
51.7568

 8.4748, 6.7054,
1.9851


 110.0907,
102.9421, 70.8724

 4.4546, 3.2786,
0.5461

 139.4879,
131.6242, 94.1955

 1.9624, 1.2788,
0.0000

173.7013,
165.1930, 122.1447

 0.6127, 0.1247,
0.0000

213.0963,

 0.0000, 0.0000,

204.0328, 155.1387

0.0000

258.0382,
248.5282, 193.5958

■ 33.3571, 29.3927,
15.4705

■ 33.3571, 29.3927,
15.4705

■ 30.9199, 25.8225,
10.6380

■ 36.2293, 33.4703,
21.5665

■ 28.8914, 22.7340,
6.9761

■ 39.5563, 38.0709,
29.0062

■ 27.2454, 20.1056,
4.3818


■ 43.3594, 43.2145,
37.8653


■ 25.9511, 17.9117,
2.7329


■ 47.6575, 48.9191,
48.2132


■ 24.9557, 16.1173,
1.7957

■ 52.4689, 55.2014,
60.1147

 24.9556, 16.1172,
1.7956

 57.8104, 62.0777,
73.6309

 63.6983, 69.5634,
88.8194

 70.1481, 77.6734,
105.7351

 73.8914, 85.1089,
107.1409

Harmonies

Analogous

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



36.7565, 29.3927, 22.5432



33.3571, 29.3927, 15.4705



28.7573, 29.3927, 12.8394

Triad

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



33.3571, 29.3927, 15.4705



20.0293, 29.3927, 29.7325



31.7980, 29.3927, 60.9335

Complementary

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



33.3571, 29.3927, 15.4705



27.7450, 32.0704, 56.9523

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.



27.1322, 29.3927, 64.3960



33.3571, 29.3927, 15.4705



20.6546, 29.3927, 43.7979

Square

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



33.3571, 29.3927, 15.4705



21.3261, 29.3927, 19.5004



23.1381, 29.3927, 57.4282



35.7895, 29.3927, 48.9564

Rectangle

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



33.3571, 29.3927, 15.4705



25.7507, 29.3927, 13.2372



23.1381, 29.3927, 57.4282



30.2435, 29.3927, 63.2492

Sweetspot

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



33.3578, 29.3942, 15.4711



82.1437, 83.0803, 77.1819



33.6276, 23.0693, 36.7233



17.2308, 17.3152, 15.6777



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.3578, 29.3942, 15.4711



55.6362, 46.2151, 18.5584



41.5545, 45.7875, 18.2033



10.3610, 10.6535, 10.5721



16.1096, 10.5050, 1.1786



0.7616, 0.5849, 0.0728

Inverse Universe

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



27.7450, 32.0704, 56.9523



44.2648, 51.5155, 102.2182



20.8727, 18.3259, 54.6615



10.0561, 10.8035, 12.8401



11.2791, 12.3146, 35.3391



0.5505, 0.6584, 1.5480

Previews

White Background



This preview shows how the XYZ color 33.3571, 29.3927, 15.4705 looks on a white background.

Color Contrast Check

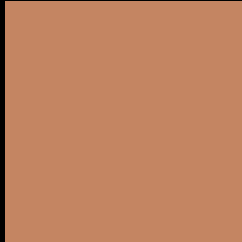
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3571, 29.3927, 15.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

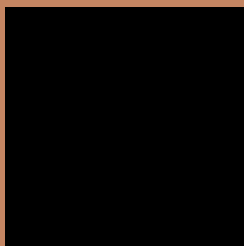
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3571, 29.3927, 15.4705

Background



This preview shows how black text looks on a background with the XYZ color 33.3571, 29.3927, 15.4705.



This preview shows how white text looks on a background with the XYZ color 33.3571, 29.3927,

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

33.3571, 29.3927, 15.4705

Protanopia

27.5858, 29.6529, 17.3664

Deuteranopia

29.9963, 29.3593, 15.1523



Tritanopia

35.7877, 29.3866, 27.4529

Trichromacy



Original Color

33.3571, 29.3927, 15.4705

Protanomaly

29.4543, 29.4885, 16.7098

Deuteranomaly

31.2537, 29.3543, 15.3280

Tritanomaly

34.8465, 29.4011, 22.5773

Monochromacy



Original Color

33.3571, 29.3927, 15.4705

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.3688, 29.2560, 25.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3571, 29.3927, 15.4705 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(196, 133, 98)` looks like.

```
.text, #text, p{  
    color:rgb(196, 133, 98)  
}
```

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(196, 133, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 133, 98) }
```

Border

The CSS property to change the border of an element to XYZ 33.3571, 29.3927, 15.4705 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(196, 133, 98) }
```


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

```
.border{ border-color:rgb(196, 133, 98) }
```

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

Here you see how a box with a 4 pixel rgb(196, 133, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 133, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 133, 98);  
box-shadow:4px 4px 4px 4px rgb(196, 133,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3571, 29.3927, 15.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 133, 98) }
```

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

```
.background{ background-color: rgb(196,  
133, 98) }
```

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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