

Converting Colors

XYZ(29.8442, 33.8470, 25.7291)

Have a look what the booklet for
XYZ(29.8442, 33.8470, 25.7291)
contains.

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Color

**XYZ(29.8442, 33.8470,
25.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	99A181
RGB	153, 161, 129
RGB Percent	60%, 63%, 51%
CMY	0.4000, 0.3686, 0.4941
CMYK	0.05, 0.00, 0.20, 0.37
HSL	75°, 15%, 57%
HSV	75°, 20%, 63%
XYZ	29.8442, 33.8470, 25.7291
YIQ	154.9600, 5.5040, -11.6480

Conversions

Conversions Part 2

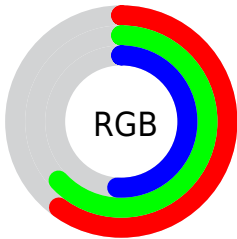
Format	Color
RYB	129, 161, 137
Decimal	10068353
CIELab	64.84, -8.61, 15.73
CIELCh	65, 17.935, 118.690
Yxy	33.8470, 0.3338, 0.3785
Android (android.graphics.Color)	4288258433 (0xFF99A181)
YUV	154.9600, -12.7983, -1.7189
Hunter-Lab	58.1782, -10.2450, 14.5039

Details

The XYZ color **29.8442, 33.8470, 25.7291** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.6011, 23.5930, 36.9773**, and the grayscale version is **31.1919, 32.8163, 35.7369**.

A 20% lighter version of the original color is **59.0118, 65.8990, 53.8655**, and **12.5034, 14.5558, 9.7400** is the 20% darker color. If you saturate the color by 10%, you get **28.1103, 33.0683, 20.4949**, and if you desaturate by 10%, it is **31.7742, 34.7094, 31.8542**.

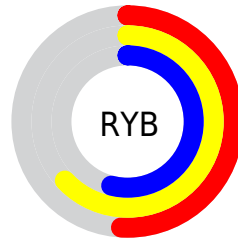
Distribution



Red (60%)

Green (63%)

Blue (51%)



Red (51%)

Yellow (63%)

Blue (54%)

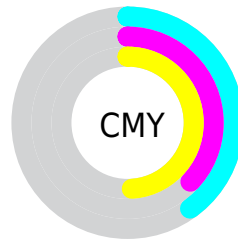


Cyan (5%)

Magenta (0%)

Yellow (20%)

Black (37%)



Cyan (40%)

Magenta (37%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8442, 33.8470, 25.7291 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 29.8442, 33.8470, 25.7291 by changing the saturation by 10% instead.

■ 29.8442, 33.8470,
25.7291

■ 29.8442, 33.8470,
25.7291

293.1004,
319.4493, 295.0127

■ 19.8678, 22.7761,
16.3971

■ 58.8040, 65.6957,
53.8163

■ 12.4067, 14.4283,
9.6482

■ 78.5182, 87.2422,
73.4086

■ 7.0955, 8.4191,
5.0638

■ 102.2090,
113.0494, 97.2582

■ 3.5687, 4.3643,
2.2254

130.2419,
143.5017, 125.7834

■ 1.4612, 1.8794,
0.6889

162.9821,
178.9834, 159.4030

■ 0.2992, 0.5359,
0.0000

200.7950,

■ 0.0000, 0.0000,

219.8790, 198.5354

0.0000

244.0460,
266.5728, 243.5991

■ 29.8442, 33.8470,
25.7291

■ 29.8442, 33.8470,
25.7291

■ 28.1103, 33.0683,
20.4949

■ 31.7742, 34.7094,
31.8542

■ 26.5618, 32.3655,
16.1078

■ 33.9052, 35.6541,
38.9068

■ 25.1907, 31.7365,
12.5239

■ 36.2453, 36.6854,
46.9240

■ 23.9874, 31.1776,
9.6941

■ 38.8013, 37.8062,
55.9404

■ 22.9415, 30.6845,
7.5642

■ 41.5796, 39.0189,
65.9889

■ 22.0410, 30.2523,
6.0727

■ 44.5865, 40.3262,
77.1006

■ 21.2719, 29.8755,
5.1474

■ 47.8278, 41.7304,
89.3057

■ 20.6023, 29.5413,
4.6219

■ 50.8543, 43.0518,
100.2373

■ 20.5943, 29.5373,
4.6158

■ 51.8410, 43.5604,
100.2834

Harmonies

Analogous

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



32.2843, 33.8470, 24.3817



29.8442, 33.8470, 25.7291



28.1103, 33.8470, 29.9437

Triad

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



29.8442, 33.8470, 25.7291



29.6575, 33.8470, 50.3939



37.3968, 33.8470, 37.1799

Complementary

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



29.8442, 33.8470, 25.7291



24.6011, 23.5930, 36.9773

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.



36.6041, 33.8470, 44.7524



29.8442, 33.8470, 25.7291



32.0571, 33.8470, 52.9851

Square

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



29.8442, 33.8470, 25.7291



28.0066, 33.8470, 44.1141



34.6148, 33.8470, 50.7958



36.7281, 33.8470, 30.4370

Rectangle

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



29.8442, 33.8470, 25.7291



27.5411, 33.8470, 34.1333



34.6148, 33.8470, 50.7958



37.2917, 33.8470, 39.7148

Sweetspot

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



29.8451, 33.8485, 25.7298



58.2952, 62.7773, 61.6005



27.6072, 27.0544, 24.5364



12.7358, 13.7461, 13.3480



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.



29.8451, 33.8485, 25.7298



51.9840, 59.9599, 41.5963



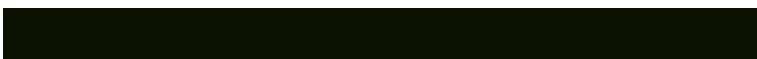
27.0250, 32.3947, 25.5978



7.4756, 8.1477, 7.5587



16.4857, 23.6092, 3.6881



0.3856, 0.5163, 0.0793

Inverse Universe

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



24.6011, 23.5930, 36.9773



40.8010, 38.0862, 65.5875



27.4213, 25.0469, 37.1093



6.8588, 6.9416, 8.8814



5.8777, 2.4365, 27.0903



0.1638, 0.0720, 0.5711

Previews

White Background



This preview shows how the XYZ color 29.8442, 33.8470, 25.7291 looks on a white background.

Color Contrast Check

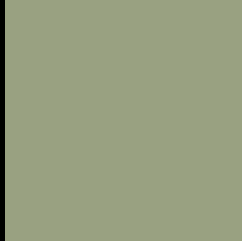
Large Text (above 18pt) WCAG AA × Fail

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 29.8442, 33.8470, 25.7291 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

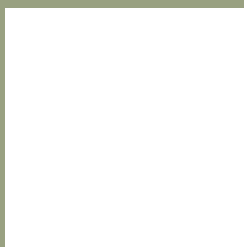
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8442, 33.8470, 25.7291

Background



This preview shows how black text looks on a background with the XYZ color 29.8442, 33.8470, 25.7291.



This preview shows how white text looks on a background with the XYZ color 29.8442, 33.8470,

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

29.8442, 33.8470, 25.7291

Protanopia

31.8241, 33.8617, 24.9373

Deuteranopia

34.2194, 33.5957, 26.1538



Tritanopia

33.0569, 33.8732, 41.8417

Trichromacy



Original Color

29.8442, 33.8470, 25.7291

Protanomaly

31.0234, 33.6936, 25.2905

Deuteranomaly

32.5452, 33.7123, 25.9109

Tritanomaly

31.7699, 33.8547, 35.4320

Monochromacy



Original Color

29.8442, 33.8470, 25.7291

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5717, 33.0593, 31.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8442, 33.8470, 25.7291 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(153, 161, 129)` looks like.

```
.text, #text, p{  
    color:rgb(153, 161, 129)  
}
```

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(153, 161, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 161, 129) }
```

Border

The CSS property to change the border of an element to XYZ 29.8442, 33.8470, 25.7291 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(153, 161, 129) }
```


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

```
.border{ border-color:rgb(153, 161, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 161, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 161, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 161, 129);  
box-shadow:4px 4px 4px 4px rgb(153, 161,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8442, 33.8470, 25.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 161, 129) }
```

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

```
.background{ background-color: rgb(153,  
161, 129) }
```

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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