

Converting Colors

XYZ(30.2144, 33.2991, 28.4736)

Have a look what the booklet for
XYZ(30.2144, 33.2991, 28.4736)
contains.

XYZ(30.0686, 33.1299, 28.4768)	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(30.0686, 33.1299,
28.4768)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9E89
RGB	154, 158, 137
RGB Percent	60%, 62%, 54%
CMY	0.3961, 0.3804, 0.4627
CMYK	0.03, 0.00, 0.13, 0.38
HSL	71°, 10%, 58%
HSV	71°, 13%, 62%
XYZ	30.0686, 33.1299, 28.4768
YIQ	154.4100, 4.3570, -7.3790

Conversions

Conversions Part 2

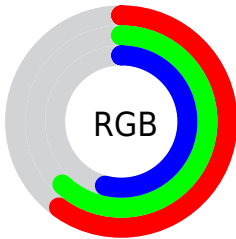
Format	Color
RYB	137, 158, 141
Decimal	10133129
CIELab	64.27, -5.28, 10.49
CIElCh	64, 11.744, 116.730
Yxy	33.1299, 0.3280, 0.3614
Android (android.graphics.Color)	4288323209 (0xFF9A9E89)
YUV	154.4100, -8.5831, -0.3596
Hunter-Lab	57.5586, -7.4791, 10.9576

Details

The XYZ color **30.0686, 33.1299, 28.4768** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.1031, 26.0236, 35.9969**, and the grayscale version is **30.9313, 32.5422, 35.4384**.

A 20% lighter version of the original color is **59.1009, 64.7161, 58.0917**, and **12.5715, 14.0871, 11.0733** is the 20% darker color. If you saturate the color by 10%, you get **28.4514, 32.4187, 22.9117**, and if you desaturate by 10%, it is **31.8680, 33.9178, 34.9183**.

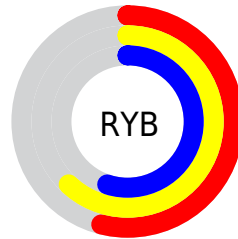
Distribution



Red (60%)

Green (62%)

Blue (54%)



Red (54%)

Yellow (62%)

Blue (55%)

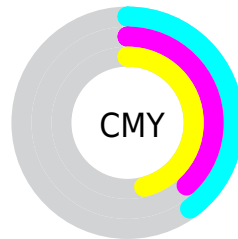


Cyan (3%)

Magenta (0%)

Yellow (13%)

Black (38%)



Cyan (40%)

Magenta (38%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0686, 33.1299, 28.4768 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 30.0686, 33.1299, 28.4768 by changing the saturation by 10% instead.

■ 30.0686, 33.1299,
28.4768

■ 30.0686, 33.1299,
28.4768

294.1282,
316.2347, 308.7216

■ 20.0390, 22.2260,
18.4432

■ 59.1565, 64.5783,
58.2770

■ 12.5318, 14.0230,
11.0959

■ 78.9456, 85.8915,
78.8807

■ 7.1817, 8.1367,
6.0164

■ 102.7185,
111.4433, 103.8449

■ 3.6233, 4.1825,
2.7861

130.8406,
141.6181, 133.5881

■ 1.4913, 1.7762,
0.9865

163.6772,
176.8002, 168.5288

■ 0.3199, 0.4723,
0.0000

201.5938,

■ 0.0000, 0.0000,

217.3741, 209.0856

0.0000

244.9557,
263.7241, 255.6770

■ 30.0686, 33.1299,
28.4768

■ 30.0686, 33.1299,
28.4768

■ 28.4514, 32.4187,
22.9117

■ 31.8680, 33.9178,
34.9183

■ 27.0065, 31.7770,
18.1829

■ 33.8537, 34.7808,
42.2696

■ 25.7268, 31.2030,
14.2507

■ 36.0332, 35.7231,
50.5650

■ 24.6040, 30.6934,
11.0709

■ 38.4126, 36.7469,
59.8362

■ 23.6288, 30.2444,
8.5953

■ 40.9978, 37.8548,
70.1138

■ 22.7908, 29.8520,
6.7700

■ 43.7943, 39.0490,
81.4268

■ 22.0782, 29.5112,
5.5334

■ 46.8076, 40.3316,
93.8029

■ 21.4769, 29.2166,
4.8120

■ 48.6597, 41.1515,
99.9861

■ 21.1122, 29.0353,
4.4916

■ 49.3590, 41.5119,
100.0188

Harmonies

Analogous

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



31.6722, 33.1299, 27.6593



30.0686, 33.1299, 28.4768



28.8833, 33.1299, 31.2659

Triad

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



30.0686, 33.1299, 28.4768



29.7625, 33.1299, 44.3087



34.8000, 33.1299, 36.5991

Complementary

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



30.0686, 33.1299, 28.4768



26.1031, 26.0236, 35.9969

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.



34.2468, 33.1299, 41.3488



30.0686, 33.1299, 28.4768



31.3064, 33.1299, 46.0399

Square

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



30.0686, 33.1299, 28.4768



28.7110, 33.1299, 40.3631



32.9534, 33.1299, 44.9121



34.4406, 33.1299, 32.0979

Rectangle

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



30.0686, 33.1299, 28.4768



28.4700, 33.1299, 34.0057



32.9534, 33.1299, 44.9121



34.7142, 33.1299, 38.2221

Sweetspot

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



30.0695, 33.1313, 28.4775



57.6002, 61.4740, 62.4302



28.1198, 28.0817, 27.6056



12.9307, 13.8352, 13.8743



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.



30.0695, 33.1313, 28.4775



53.6818, 59.7583, 48.4955



28.1839, 32.1593, 28.3893



7.0462, 7.6564, 7.0921



16.9390, 23.2691, 3.5986



0.3321, 0.4311, 0.0657

Inverse Universe

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



26.1031, 26.0236, 35.9969



45.0238, 44.2426, 64.9101



27.9459, 26.9736, 36.0831



6.3969, 6.4931, 8.3228



5.4007, 2.2132, 26.0498



0.1249, 0.0542, 0.4671

Previews

White Background



This preview shows how the XYZ color 30.0686, 33.1299, 28.4768 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 30.0686, 33.1299, 28.4768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

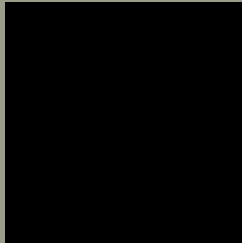
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

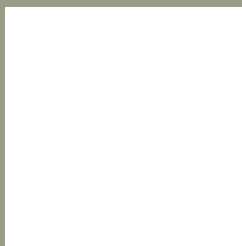
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0686, 33.1299, 28.4768

Background



This preview shows how black text looks on a background with the XYZ color 30.0686, 33.1299, 28.4768.



This preview shows how white text looks on a background with the XYZ color 30.0686, 33.1299,

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

30.0686, 33.1299, 28.4768

Protanopia

31.2695, 33.0068, 28.0154

Deuteranopia

33.6980, 33.0239, 29.0243



Tritanopia

32.5391, 33.1335, 40.7568

Trichromacy



Original Color

30.0686, 33.1299, 28.4768

Protanomaly

30.8296, 33.0281, 28.0427

Deuteranomaly

32.3409, 33.0525, 28.7200

Tritanomaly

31.5424, 32.9773, 35.7131

Monochromacy



Original Color

30.0686, 33.1299, 28.4768

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.3931, 32.4508, 32.6787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0686, 33.1299, 28.4768 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(154, 158, 137)` looks like.

```
.text, #text, p{  
    color:rgb(154, 158, 137)  
}
```

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(154, 158, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 158, 137) }
```

Border

The CSS property to change the border of an element to XYZ 30.0686, 33.1299, 28.4768 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(154, 158, 137) }
```


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

```
.border{ border-color:rgb(154, 158, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 158, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 158, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 158, 137);  
box-shadow:4px 4px 4px 4px rgb(154, 158,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0686, 33.1299, 28.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 158, 137) }
```

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

```
.background{ background-color: rgb(154,  
158, 137) }
```

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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