

# Converting Colors

XYZ(30.1676, 33.9989, 26.4492)

Have a look what the booklet for  
XYZ(30.1676, 33.9989, 26.4492)  
contains.

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# Color

**XYZ(30.1680, 33.9985,  
26.4451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AA183
RGB	154, 161, 131
RGB Percent	60%, 63%, 51%
CMY	0.3961, 0.3686, 0.4863
CMYK	0.04, 0.00, 0.19, 0.37
HSL	74°, 14%, 57%
HSV	74°, 19%, 63%
XYZ	30.1680, 33.9985, 26.4451
YIQ	155.4870, 5.4580, -10.8140

# Conversions

## Conversions Part 2

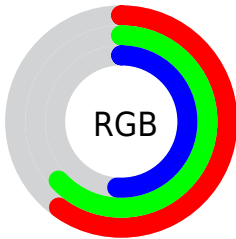
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 161, 138
Decimal	10133891
CIELab	64.96, -7.90, 14.80
CIElCh	65, 16.783, 118.099
Yxy	33.9985, 0.3329, 0.3752
Android (android.graphics.Color)	4288323971 (0xFF9AA183)
YUV	155.4870, -12.0721, -1.3041
Hunter-Lab	58.3082, -9.6856, 13.9254

# Details

The XYZ color **30.1680, 33.9985, 26.4451** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.0320, 24.2101, 37.0739**, and the grayscale version is **31.4226, 33.0590, 36.0013**.

A 20% lighter version of the original color is **59.5021, 66.1277, 54.9752**, and **12.6924, 14.6446, 10.1404** is the 20% darker color. If you saturate the color by 10%, you get **28.4566, 33.2337, 21.1047**, and if you desaturate by 10%, it is **32.0732, 34.8457, 32.6811**.

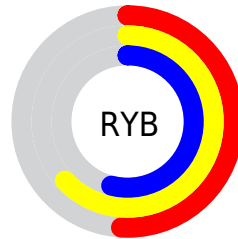
# Distribution



Red (60%)

Green (63%)

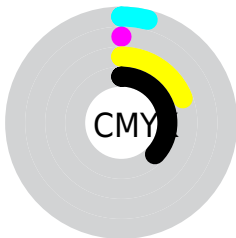
Blue (51%)



Red (51%)

Yellow (63%)

Blue (54%)

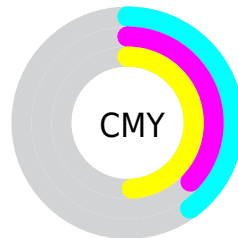


Cyan (4%)

Magenta (0%)

Yellow (19%)

Black (37%)



Cyan (40%)

Magenta (37%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1680, 33.9985, 26.4451 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 30.1680, 33.9985, 26.4451 by changing the saturation by 10% instead.



■ 30.1680, 33.9985,  
26.4451

■ 30.1680, 33.9985,  
26.4451

294.5825,  
320.1254, 298.6350

■ 20.1148, 22.8924,  
16.9282

■ 59.3126, 65.9313,  
54.9850

■ 12.5873, 14.5141,  
10.0219

■ 79.1347, 87.5269,  
74.8451

■ 7.2200, 8.4791,  
5.3077

■ 102.9438,  
113.3878, 98.9899

■ 3.6476, 4.4030,  
2.3670

131.1054,  
143.8983, 127.8381

■ 1.5048, 1.9015,  
0.7684

163.9847,  
179.4430, 161.8082

■ 0.3291, 0.5493,  
0.0000

201.9471,

■ 0.0000, 0.0000,

220.4061, 201.3186

0.0000

245.3579,  
267.1721, 246.7880

■ 30.1680, 33.9985,  
26.4451

■ 30.1680, 33.9985,  
26.4451

■ 28.4566, 33.2337,  
21.1047

■ 32.0732, 34.8457,  
32.6811

■ 26.9283, 32.5436,  
16.6167

■ 34.1770, 35.7738,  
39.8491

■ 25.5754, 31.9262,  
12.9375

■ 36.4875, 36.7871,  
47.9861

■ 24.3885, 31.3777,  
10.0185

■ 39.0112, 37.8885,  
57.1262

■ 23.3572, 30.8939,  
7.8065

■ 41.7546, 39.0803,  
67.3021

■ 22.4698, 30.4702,  
6.2408

■ 44.7238, 40.3652,  
78.5450

■ 21.7128, 30.1011,  
5.2509

■ 47.9246, 41.7455,  
90.8846

■ 21.0599, 29.7760,  
4.7005

■ 50.5793, 42.9101,  
100.2244

■ 20.9740, 29.7331,  
4.6336

■ 51.4922, 43.3807,  
100.2671

# Harmonies

## Analogous

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



32.4694, 33.9985, 25.2130



30.1680, 33.9985, 26.4451



28.5159, 33.9985, 30.4014

# Triad

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



30.1680, 33.9985, 26.4451



29.9129, 33.9985, 49.5507



37.2018, 33.9985, 37.4632

# Complementary

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



30.1680, 33.9985, 26.4451



25.0320, 24.2101, 37.0739

# 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.



36.4364, 33.9985, 44.5324



30.1680, 33.9985, 26.4451



32.1602, 33.9985, 52.0314

# Square

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



30.1680, 33.9985, 26.4451



28.3738, 33.9985, 43.6704



34.5606, 33.9985, 50.0905



36.6042, 33.9985, 31.0791



# Rectangle

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



30.1680, 33.9985, 26.4451



27.9638, 33.9985, 34.3328



34.5606, 33.9985, 50.0905



37.0947, 33.9985, 39.8409

# Sweetspot

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



30.1689, 34.0000, 26.4458



58.3532, 62.8071, 61.6032



27.8844, 27.3938, 25.2911



12.7497, 13.7533, 13.3486



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.



30.1689, 34.0000, 26.4458



52.8286, 60.3528, 43.5613



27.4903, 32.6191, 26.3205



7.4870, 8.1536, 7.5593



16.7873, 23.7646, 3.7023



0.3901, 0.5186, 0.0795



# Inverse Universe

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



25.0320, 24.2101, 37.0739



42.0549, 39.8176, 65.8556



27.6874, 25.5790, 37.1981



6.8481, 6.9360, 8.8809



5.7953, 2.3941, 27.0864



0.1601, 0.0701, 0.5709



# Previews

## White Background



This preview shows how the XYZ color 30.1680, 33.9985, 26.4451 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 30.1680, 33.9985, 26.4451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

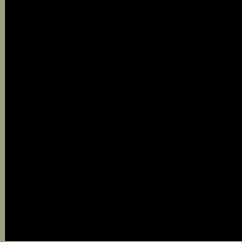
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

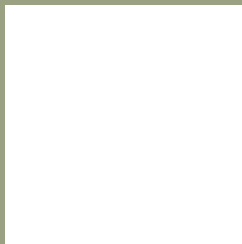
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 30.1680, 33.9985, 26.4451

## Background



This preview shows how black text looks on a background with the XYZ color 30.1680, 33.9985, 26.4451.



This preview shows how white text looks on a background with the XYZ color 30.1680, 33.9985,



# 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

30.1680, 33.9985, 26.4451

### Protanopia

31.9558, 33.9144, 25.6308

### Deuteranopia

34.3563, 33.6504, 26.8747



## Tritanopia

33.2544, 33.9750, 41.8509

# Trichromacy



## Original Color

30.1680, 33.9985, 26.4451

## Protanomaly

31.1564, 33.7468, 25.9908

## Deuteranomaly

32.6808, 33.7666, 26.6249

## Tritanomaly

32.0479, 33.9884, 35.8817

# Monochromacy



## Original Color

30.1680, 33.9985, 26.4451

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

30.7628, 33.1578, 31.9729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1680, 33.9985, 26.4451 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, 161, 131)` looks like.

```
.text, #text, p{  
    color:rgb(154, 161, 131)  
}
```

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, 161, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 161, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1680, 33.9985, 26.4451 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, 161, 131) }
```



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

```
.border{ border-color:rgb(154, 161, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 161, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 161, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 161, 131);  
box-shadow:4px 4px 4px 4px rgb(154, 161,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1680, 33.9985, 26.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 161, 131) }
```

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

```
.background{ background-color: rgb(154,  
161, 131) }
```

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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