

Converting Colors

XYZ(31.2621, 33.5576, 26.2693)

Have a look what the booklet for
XYZ(31.2621, 33.5576, 26.2693)
contains.

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Color

**XYZ(31.2580, 33.5392,
26.2990)**

Conversions

Conversions Part 1

Format	Color
Hex	A39D83
RGB	163, 157, 131
RGB Percent	64%, 62%, 51%
CMY	0.3608, 0.3843, 0.4863
CMYK	0.00, 0.04, 0.20, 0.36
HSL	49°, 15%, 58%
HSV	49°, 20%, 64%
XYZ	31.2580, 33.5392, 26.2990
YIQ	155.8300, 11.9220, -6.8140

Conversions

Conversions Part 2

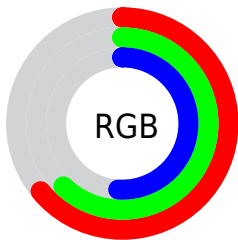
Format	Color
RYB	138, 163, 131
Decimal	10722691
CIELab	64.60, -2.27, 14.40
CIELCh	65, 14.581, 98.944
Yxy	33.5392, 0.3431, 0.3682
Android (android.graphics.Color)	4288912771 (0xFFA39D83)
YUV	155.8300, -12.2412, 6.2881
Hunter-Lab	57.9130, -5.0042, 13.6148

Details

The XYZ color **31.2580, 33.5392, 26.2990** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.9165, 25.3604, 38.2324**, and the grayscale version is **31.5740, 33.2183, 36.1748**.

A 20% lighter version of the original color is **60.8594, 64.9546, 54.6773**, and **13.2326, 14.2968, 10.0448** is the 20% darker color. If you saturate the color by 10%, you get **29.7290, 32.1122, 20.7611**, and if you desaturate by 10%, it is **32.9755, 35.0646, 32.7581**.

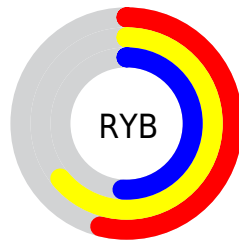
Distribution



Red (64%)

Green (62%)

Blue (51%)



Red (54%)

Yellow (64%)

Blue (51%)

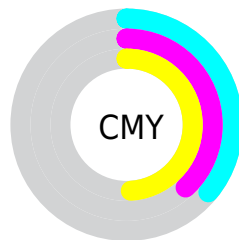


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2580, 33.5392, 26.2990 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 31.2580, 33.5392, 26.2990 by changing the saturation by 10% instead.

■ 31.2580, 33.5392,
26.2990

■ 31.2580, 33.5392,
26.2990

299.5309,
318.0724, 297.8988

■ 20.9482, 22.5398,
16.8197

■ 61.0191, 65.2164,
54.7469

■ 13.1984, 14.2541,
9.9454

■ 81.2011, 86.6631,
74.5526

■ 7.6432, 8.2976,
5.2577

■ 105.4046,
112.3610, 98.6375

■ 3.9174, 4.2860,
2.3378

133.9948,
142.6945, 127.4201

■ 1.6555, 1.8348,
0.7523

167.3372,
178.0480, 161.3190

■ 0.4282, 0.5087,
0.0000

205.7971,

■ 0.0000, 0.0000,

218.8059, 200.7527

0.0000

249.7399,
265.3526, 246.1398

■ 31.2580, 33.5392,
26.2990

■ 31.2580, 33.5392,
26.2990

■ 29.7290, 32.1122,
20.7611

■ 32.9755, 35.0646,
32.7581

■ 28.3777, 30.7756,
16.0995

■ 34.8866, 36.6871,
40.1762

■ 27.1962, 29.5272,
12.2688

■ 36.9993, 38.4113,
48.5915

■ 26.1747, 28.3632,
9.2187

■ 39.3205, 40.2399,
58.0396

■ 25.3025, 27.2789,
6.8933

■ 41.8567, 42.1759,
68.5544

■ 24.5677, 26.2695,
5.2293

■ 44.6140, 44.2216,
80.1679

■ 23.9559, 25.3290,
4.1526

■ 47.5986, 46.3798,
92.9112

■ 23.4362, 24.4450,
3.5004

■ 49.7679, 48.2336,
101.2947

■ 23.4176, 24.4130,
3.4779

■ 50.3978, 49.4934,
101.5047

Harmonies

Analogous

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



33.3420, 33.5392, 26.8066



31.2580, 33.5392, 26.2990



29.4209, 33.5392, 28.2874

Triad

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



31.2580, 33.5392, 26.2990



28.8569, 33.5392, 44.2313



35.7726, 33.5392, 40.8063

Complementary

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



31.2580, 33.5392, 26.2990



24.9165, 25.3604, 38.2324

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.



34.4682, 33.5392, 46.2089



31.2580, 33.5392, 26.2990



30.4575, 33.5392, 48.3315

Square

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



31.2580, 33.5392, 26.2990



28.0750, 33.5392, 38.3351



32.5062, 33.5392, 49.0922



36.0098, 33.5392, 34.7602

Rectangle

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



31.2580, 33.5392, 26.2990



28.5615, 33.5392, 30.9034



32.5062, 33.5392, 49.0922



35.4418, 33.5392, 42.7756

Sweetspot

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



31.2589, 33.5407, 26.2997



60.2205, 63.8000, 63.1437



27.7651, 25.8372, 27.3418



13.4792, 14.2898, 14.0039



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.2589, 33.5407, 26.2997



54.6221, 58.8159, 42.1245



30.4068, 34.6447, 26.5577



7.5361, 8.0106, 7.5291



18.2306, 19.0351, 2.7133



0.4106, 0.4550, 0.0662

Inverse Universe

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



24.9165, 25.3604, 38.2324



40.9528, 41.1871, 67.8476



25.6442, 24.5052, 38.0290



6.8029, 7.0648, 8.9082



5.5353, 2.8499, 27.1881



0.1443, 0.1158, 0.5806

Previews

White Background



This preview shows how the XYZ color 31.2580, 33.5392, 26.2990 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 31.2580, 33.5392, 26.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

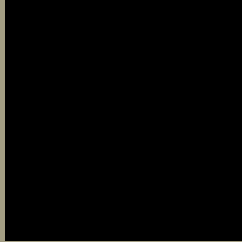
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2580, 33.5392, 26.2990

Background



This preview shows how black text looks on a background with the XYZ color 31.2580, 33.5392, 26.2990.



This preview shows how white text looks on a background with the XYZ color 31.2580, 33.5392,

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

31.2580, 33.5392, 26.2990

Protanopia

31.5023, 33.4150, 26.2621

Deuteranopia

34.0539, 33.5025, 26.5016



Tritanopia

33.8654, 33.3523, 39.7747

Trichromacy



Original Color

31.2580, 33.5392, 26.2990

Protanomaly

31.2950, 33.3081, 26.2524

Deuteranomaly

33.0116, 33.4471, 26.5458

Tritanomaly

32.9490, 33.4852, 34.4325

Monochromacy



Original Color

31.2580, 33.5392, 26.2990

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4530, 33.2544, 32.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2580, 33.5392, 26.2990 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(163, 157, 131)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 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(163, 157, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 131) }
```

Border

The CSS property to change the border of an element to XYZ 31.2580, 33.5392, 26.2990 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(163, 157, 131) }
```


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

```
.border{ border-color:rgb(163, 157, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 131);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2580, 33.5392, 26.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 131) }
```

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

```
.background{ background-color: rgb(163,  
157, 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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