

Converting Colors

XYZ(31.6151, 42.3667, 26.7615)

Have a look what the booklet for
XYZ(31.6151, 42.3667, 26.7615)
contains.

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Color

**XYZ(31.4981, 42.1675,
26.9011)**

Conversions

Conversions Part 1

Format	Color
Hex	86BB80
RGB	134, 187, 128
RGB Percent	53%, 73%, 50%
CMY	0.4745, 0.2667, 0.4980
CMYK	0.28, 0.00, 0.32, 0.27
HSL	114°, 30%, 62%
HSV	114°, 32%, 73%
XYZ	31.4981, 42.1675, 26.9011
YIQ	164.4270, -12.6490, -29.5850

Conversions

Conversions Part 2

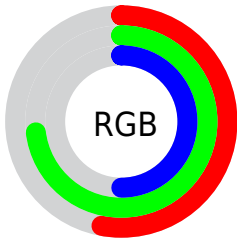
Format	Color
RYB	128, 187, 181
Decimal	8829824
CIELab	70.99, -28.93, 24.48
CIELCh	71, 37.900, 139.767
Yxy	42.1675, 0.3132, 0.4193
Android (android.graphics.Color)	4287019904 (0xFF86BB80)
YUV	164.4270, -17.9585, -26.6845
Hunter-Lab	64.9365, -27.0557, 20.8936

Details

The XYZ color **31.4981, 42.1675, 26.9011** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.7468, 28.8513, 50.7008**, and the grayscale version is **35.5783, 37.4312, 40.7625**.

A 20% lighter version of the original color is **61.1301, 78.1287, 55.5745**, and **13.2423, 19.1190, 10.2001** is the 20% darker color. If you saturate the color by 10%, you get **27.9110, 40.4489, 20.8896**, and if you desaturate by 10%, it is **35.7397, 44.1998, 34.1292**.

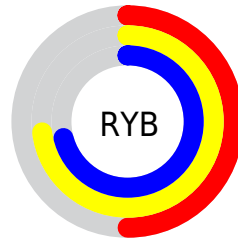
Distribution



Red (53%)

Green (73%)

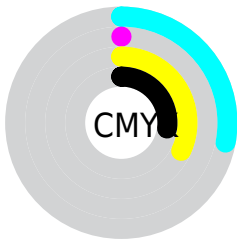
Blue (50%)



Red (50%)

Yellow (73%)

Blue (71%)

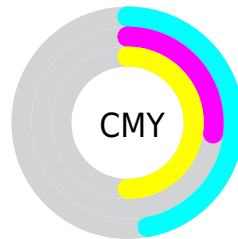


Cyan (28%)

Magenta (0%)

Yellow (32%)

Black (27%)



Cyan (47%)


Magenta (27%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4981, 42.1675, 26.9011 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 31.4981, 42.1675, 26.9011 by changing the saturation by 10% instead.


 31.4981, 42.1675,
26.9011


 31.4981, 42.1675,
26.9011


300.6126,
355.1768, 300.9230


 21.1321, 29.2325,
17.2672


 61.3940, 78.4531,
55.7269

 13.3336, 19.2568,
10.2612

 81.6545, 102.5724,
75.7559

 7.7373, 11.8559,
5.4646


 105.9440,
131.1886, 100.0870

 3.9777, 6.6457,
2.4589

134.6278,
164.6861, 129.1388

 1.6895, 3.2415,
0.8183

168.0712,
203.4493, 163.3297

 0.4497, 1.2591,
0.0000

206.6395,

 0.0000, 0.1092,

247.8625, 203.0783

0.0000

250.6982,
298.3102, 248.8032

■ 0.0000, 0.0000,
0.0000

■ 31.4981, 42.1675,
26.9011

■ 31.4981, 42.1675,
26.9011

■ 27.9110, 40.4489,
20.8896

■ 35.7397, 44.1998,
34.1292

■ 24.9425, 39.0231,
16.0252

■ 40.6626, 46.5545,
42.6326

■ 22.5584, 37.8755,
12.2357


■ 46.2964, 49.2469,
52.4696


■ 20.7197, 36.9876,
9.4396


■ 52.6677, 52.2896,
63.6942


■ 19.3828, 36.3390,
7.5440


■ 59.8019, 55.6946,
76.3574

 18.4970, 35.9059,
6.4380

 67.7232, 59.4731,
90.5073

 18.0400, 35.6809,
5.9363

 75.8194, 63.3822,
102.8456

 77.0612, 64.0224,
102.9037

Harmonies

Analogous

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



36.1075, 42.1675, 20.3293



31.4981, 42.1675, 26.9011



29.2688, 42.1675, 40.0030

Triad

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



31.4981, 42.1675, 26.9011



37.9583, 42.1675, 89.3914



52.6390, 42.1675, 35.1190

Complementary

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



31.4981, 42.1675, 26.9011



35.7468, 28.8513, 50.7008

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.



53.2685, 42.1675, 52.3787



31.4981, 42.1675, 26.9011



44.3314, 42.1675, 87.0770

Square

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



31.4981, 42.1675, 26.9011



32.7302, 42.1675, 77.9420



50.0918, 42.1675, 72.2645



48.4527, 42.1675, 24.1373

Rectangle

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



31.4981, 42.1675, 26.9011



29.2549, 42.1675, 52.0747



50.0918, 42.1675, 72.2645



53.2893, 42.1675, 40.2580

Sweetspot

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



31.4992, 42.1693, 26.9020



75.1323, 84.4789, 80.3675



40.7365, 44.8150, 26.9258



16.2340, 18.4548, 17.1565



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.4992, 42.1693, 26.9020



51.7556, 73.2892, 40.3550



32.2286, 42.3537, 35.5928



9.4964, 10.6948, 10.1404



12.4589, 24.5987, 4.0914



0.5185, 0.9793, 0.1617

Inverse Universe

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



35.7468, 28.8513, 50.7008



60.5707, 45.6061, 89.8118



34.9497, 28.6985, 39.0026



9.8318, 9.6457, 12.0158



17.3400, 8.2252, 33.0666



0.7071, 0.3366, 1.2965

Previews

White Background



This preview shows how the XYZ color 31.4981, 42.1675, 26.9011 looks on a white background.

Color Contrast Check

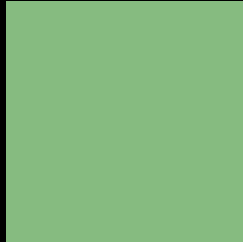
Large Text (above 18pt) WCAG AA × Fail

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 31.4981, 42.1675, 26.9011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

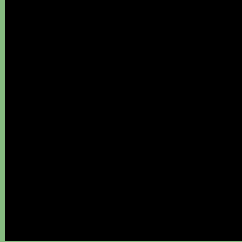
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4981, 42.1675, 26.9011

Background



This preview shows how black text looks on a background with the XYZ color 31.4981, 42.1675, 26.9011.



This preview shows how white text looks on a background with the XYZ color 31.4981, 42.1675,

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

31.4981, 42.1675, 26.9011

Protanopia

38.9499, 41.8571, 24.4387

Deuteranopia

42.4985, 41.6624, 27.9920



Tritanopia

37.4228, 42.1102, 56.6078

Trichromacy



Original Color

31.4981, 42.1675, 26.9011

Protanomaly

35.7069, 41.6209, 25.2205

Deuteranomaly

37.5929, 41.3758, 27.4777

Tritanomaly

34.8739, 41.9832, 43.8016

Monochromacy



Original Color

31.4981, 42.1675, 26.9011

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.4753, 38.5117, 34.9473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4981, 42.1675, 26.9011 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(134, 187, 128)` looks like.

```
.text, #text, p{  
    color:rgb(134, 187, 128)  
}
```

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(134, 187, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 187, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.4981, 42.1675, 26.9011 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(134, 187, 128) }
```


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

```
.border{ border-color:rgb(134, 187, 128) }
```

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

Here you see how a box with a 4 pixel rgb(134, 187, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 187, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 187, 128);  
box-shadow:4px 4px 4px 4px rgb(134, 187,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4981, 42.1675, 26.9011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 187, 128) }
```

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

```
.background{ background-color: rgb(134,  
187, 128) }
```

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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