

Converting Colors

XYZ(31.6834, 39.4168, 17.9631)

Have a look what the booklet for
XYZ(31.6834, 39.4168, 17.9631)
contains.

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Color

**XYZ(31.7327, 39.4323,
17.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB164
RGB	156, 177, 100
RGB Percent	61%, 69%, 39%
CMY	0.3882, 0.3059, 0.6078
CMYK	0.12, 0.00, 0.44, 0.31
HSL	76°, 33%, 54%
HSV	76°, 44%, 69%
XYZ	31.7327, 39.4323, 17.9953
YIQ	161.9430, 12.2010, -28.3990

Conversions

Conversions Part 2

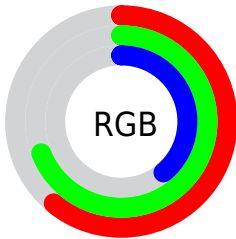
Format	Color
RYB	100, 177, 121
Decimal	10269028
CIELab	69.06, -19.79, 36.90
CIElCh	69, 41.875, 118.200
Yxy	39.4323, 0.3559, 0.4423
Android (android.graphics.Color)	4288459108 (0xFF9CB164)
YUV	161.9430, -30.5379, -5.2120
Hunter-Lab	62.7951, -19.6889, 26.9658

Details

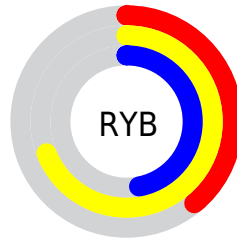
The XYZ color **31.7327, 39.4323, 17.9953** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3797, 16.3547, 43.6799**, and the grayscale version is **34.4513, 36.2455, 39.4713**.

A 20% lighter version of the original color is **61.9578, 74.5419, 40.8283**, and **13.3987, 17.5379, 5.8109** is the 20% darker color. If you saturate the color by 10%, you get **30.0519, 38.6556, 13.9203**, and if you desaturate by 10%, it is **33.6387, 40.3062, 23.0540**.

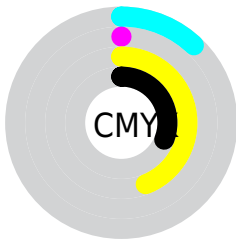
Distribution



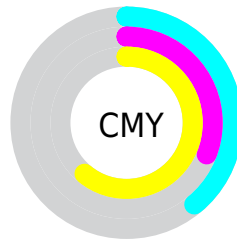
- Red (61%)
- Green (69%)
- Blue (39%)



- Red (39%)
- Yellow (69%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (44%)
- Black (31%)



- Cyan (39%)
- Magenta (31%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7327, 39.4323, 17.9953 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 31.7327, 39.4323, 17.9953 by changing the saturation by 10% instead.

■ 31.7327, 39.4323,
17.9953

■ 31.7327, 39.4323,
17.9953

301.6668,
343.7250, 253.0798

■ 21.3120, 27.0962,
10.7772

■ 61.7598, 74.2983,
40.8431

■ 13.4660, 17.6455,
5.8049

■ 82.0970, 97.5969,
57.3100

■ 7.8294, 10.6958,
2.6600

■ 106.4703,
125.3185, 77.6968

■ 4.0369, 5.8626,
0.9232

■ 135.2451,
157.8475, 102.4222

■ 1.7230, 2.7617,
0.0000

168.7868,
195.5682, 131.9046

■ 0.4706, 1.0086,
0.0000

207.4607,

■ 0.0000, 0.0000,

238.8651, 166.5627

0.0000

251.6323,
288.1226, 206.8149

■ 31.7327, 39.4323,
17.9953

■ 31.7327, 39.4323,
17.9953

■ 30.0519, 38.6556,
13.9203

■ 33.6387, 40.3062,
23.0540

■ 28.5809, 37.9656,
10.7624

■ 35.7786, 41.2766,
29.1522

■ 27.3064, 37.3584,
8.4506


■ 38.1639, 42.3495,
36.3446


■ 26.2126, 36.8277,
6.9023


■ 40.8045, 43.5290,
44.6815


■ 25.2800, 36.3655,
6.0189


■ 43.7099, 44.8189,
54.2097

 24.7341, 36.0914,
5.6627

 46.8887, 46.2227,
64.9736

 50.3494, 47.7438,
77.0154

 54.0999, 49.3854,
90.3752

 57.4469, 50.8703,
101.3989

Harmonies

Analogous

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



37.8841, 39.4323, 15.6689



31.7327, 39.4323, 17.9953



27.5906, 39.4323, 26.3249

Triad

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



31.7327, 39.4323, 17.9953



31.1114, 39.4323, 82.3892



51.8351, 39.4323, 44.1008

Complementary

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



31.7327, 39.4323, 17.9953



20.3797, 16.3547, 43.6799

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.



49.4865, 39.4323, 65.3770



31.7327, 39.4323, 17.9953



37.0772, 39.4323, 91.1815

Square

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



31.7327, 39.4323, 17.9953



27.2630, 39.4323, 62.7639



43.8807, 39.4323, 84.1863



49.9737, 39.4323, 27.7957

Rectangle

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



31.7327, 39.4323, 17.9953



26.2622, 39.4323, 35.8448



43.8807, 39.4323, 84.1863



51.5068, 39.4323, 50.9036

Sweetspot

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



31.7337, 39.4341, 17.9961



68.4731, 75.8992, 65.4796



27.2139, 23.8300, 15.2225



14.6299, 16.3547, 13.5464



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7337, 39.4341, 17.9961



53.9932, 69.3082, 25.3296



25.4904, 36.2155, 17.7040



8.9665, 9.7878, 9.0692



17.9802, 26.1792, 4.1054



0.6182, 0.8507, 0.1316

Inverse Universe

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



20.3797, 16.3547, 43.6799



31.0841, 22.6856, 77.2357



26.7991, 19.6640, 43.9803



8.2523, 8.3386, 10.6809



6.6938, 2.7866, 30.3221



0.2680, 0.1173, 0.9567

Previews

White Background



This preview shows how the XYZ color 31.7327, 39.4323, 17.9953 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 31.7327, 39.4323, 17.9953 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 31.7327, 39.4323, 17.9953

Background



This preview shows how black text looks on a background with the XYZ color 31.7327, 39.4323, 17.9953.



This preview shows how white text looks on a background with the XYZ color 31.7327, 39.4323,

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

31.7327, 39.4323, 17.9953

Protanopia

36.1679, 39.1826, 16.9660

Deuteranopia

40.1454, 39.3266, 18.5716



Tritanopia

38.0690, 39.4485, 49.3239

Trichromacy



Original Color

31.7327, 39.4323, 17.9953

Protanomaly

34.2231, 39.0063, 17.2805

Deuteranomaly

36.7604, 39.1815, 18.4573

Tritanomaly

35.1307, 39.0742, 35.3963

Monochromacy



Original Color

31.7327, 39.4323, 17.9953

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.9761, 36.9751, 29.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7327, 39.4323, 17.9953 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(156, 177, 100)` looks like.

```
.text, #text, p{  
    color:rgb(156, 177, 100)  
}
```

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(156, 177, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 177, 100) }
```

Border

The CSS property to change the border of an element to XYZ 31.7327, 39.4323, 17.9953 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(156, 177, 100) }
```


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

```
.border{ border-color:rgb(156, 177, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 177, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 177, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 177, 100);  
box-shadow:4px 4px 4px 4px rgb(156, 177,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7327, 39.4323, 17.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 177, 100) }
```

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

```
.background{ background-color: rgb(156,  
177, 100) }
```

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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