

Converting Colors

XYZ(31.8554, 40.0525, 36.8076)

Have a look what the booklet for
XYZ(31.8554, 40.0525, 36.8076)
contains.

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Color

**XYZ(31.8269, 39.9622,
36.6079)**

Conversions

Conversions Part 1

Format	Color
Hex	85B49A
RGB	133, 180, 154
RGB Percent	52%, 71%, 60%
CMY	0.4784, 0.2941, 0.3961
CMYK	0.26, 0.00, 0.14, 0.29
HSL	147°, 24%, 61%
HSV	147°, 26%, 71%
XYZ	31.8269, 39.9622, 36.6079
YIQ	162.9830, -19.6660, -18.0500

Conversions

Conversions Part 2

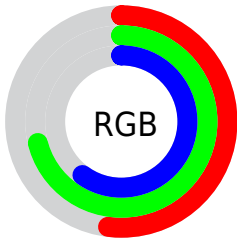
Format	Color
RYB	133, 165, 180
Decimal	8762522
CIELab	69.44, -21.08, 8.24
CIElCh	69, 22.635, 158.640
Yxy	39.9622, 0.2936, 0.3687
Android (android.graphics.Color)	4286952602 (0xFF85B49A)
YUV	162.9830, -4.4286, -26.2951
Hunter-Lab	63.2157, -20.7588, 9.9164

Details

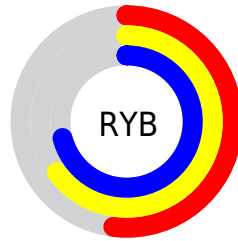
The XYZ color **31.8269, 39.9622, 36.6079** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4694, 28.9826, 36.6328**, and the grayscale version is **34.8325, 36.6466, 39.9081**.

A 20% lighter version of the original color is **61.8741, 75.1098, 70.9110**, and **13.5172, 17.9519, 15.5846** is the 20% darker color. If you saturate the color by 10%, you get **28.4298, 38.3039, 32.2980**, and if you desaturate by 10%, it is **35.7821, 41.9024, 41.3049**.

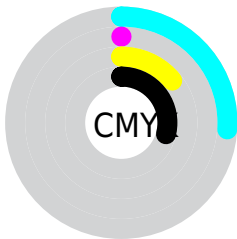
Distribution



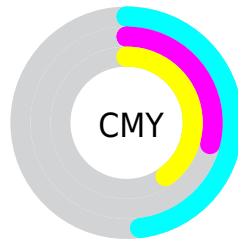
- Red (52%)
- Green (71%)
- Blue (60%)



- Red (52%)
- Yellow (65%)
- Blue (71%)



- Cyan (26%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)





- Cyan (48%)
- Magenta (29%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8269, 39.9622, 36.6079 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 31.8269, 39.9622, 36.6079 by changing the saturation by 10% instead.


 31.8269, 39.9622,
36.6079


 31.8269, 39.9622,
36.6079


302.0893,
345.9642, 346.7273


 21.3842, 27.5091,
24.6106

 61.9067, 75.1059,
71.1489

 13.5192, 17.9559,
15.5708


 82.2744, 98.5654,
94.5297

 7.8665, 10.9183,
9.0699


 106.6813,
126.4623, 122.5421

 4.0607, 6.0120,
4.6894

135.4926,
159.1812, 155.6047

 1.7365, 2.8523,
2.0107

169.0737,
197.1065, 194.1360

 0.4790, 1.0551,
0.5618

207.7899,

 0.0000, 0.0000,

240.6225, 238.5545

0.0000

252.0067,
290.1136, 289.2787

■ 31.8269, 39.9622,
36.6079

■ 31.8269, 39.9622,
36.6079

■ 28.4298, 38.3039,
32.2980

■ 35.7821, 41.9024,
41.3049

■ 25.5609, 36.9091,
28.3625

■ 40.3167, 44.1321,
46.3957

■ 23.1927, 35.7648,
24.7919

■ 45.4549, 46.6647,
51.8906

■ 21.2934, 34.8549,
21.5755

■ 51.2186, 49.5112,
57.7982

■ 19.8277, 34.1614,
18.7018

■ 57.6286, 52.6822,
64.1272

■ 18.7547, 33.6634,
16.1586

■ 64.7046, 56.1878,
70.8860

■ 18.0215, 33.3339,
13.9325

■ 70.9770, 59.2700,
78.0129

■ 17.7857, 33.2295,
13.1482

■ 72.3653, 59.8254,
85.3239

■ 73.8341, 60.4129,
93.0583

Harmonies

Analogous

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



33.7756, 39.9622, 29.6509



31.8269, 39.9622, 36.6079



31.4713, 39.9622, 46.5950

Triad

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



31.8269, 39.9622, 36.6079



39.0446, 39.9622, 66.5059



43.7198, 39.9622, 32.1514

Complementary

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



31.8269, 39.9622, 36.6079



33.4694, 28.9826, 36.6328

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.



45.3359, 39.9622, 40.5682



31.8269, 39.9622, 36.6079



42.5258, 39.9622, 61.1335

Square

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



31.8269, 39.9622, 36.6079



35.4887, 39.9622, 64.9914



44.8855, 39.9622, 51.2339



40.5912, 39.9622, 27.3784

Rectangle

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



31.8269, 39.9622, 36.6079



32.1620, 39.9622, 53.8505



44.8855, 39.9622, 51.2339



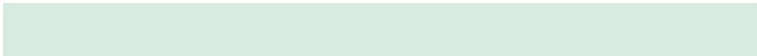
44.4668, 39.9622, 34.5895

Sweetspot

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



31.8280, 39.9639, 36.6088



71.3473, 79.1548, 82.1936



34.9803, 41.7737, 28.4103



15.1480, 16.9740, 17.4623



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.8280, 39.9639, 36.6088



54.2475, 70.7676, 62.0557



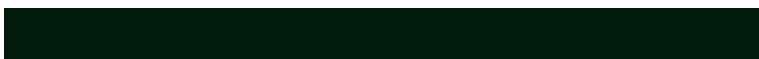
33.9180, 40.7999, 47.6147



8.5415, 9.5511, 9.8452



12.4456, 23.2042, 9.3493



0.4211, 0.7419, 0.4497

Inverse Universe

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



33.4694, 28.9826, 36.6328



57.7005, 47.6598, 62.1017



31.6646, 28.2607, 27.1289



8.6865, 8.5813, 9.8476



14.7624, 7.4225, 9.1745



0.4933, 0.2451, 0.4406

Previews

White Background



This preview shows how the XYZ color 31.8269, 39.9622, 36.6079 looks on a white background.

Color Contrast Check

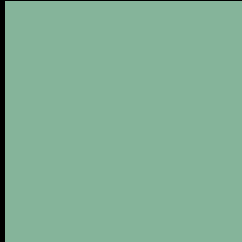
Large Text (above 18pt) WCAG AA × Fail

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 31.8269, 39.9622, 36.6079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

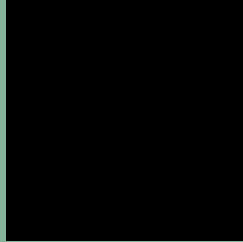
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8269, 39.9622, 36.6079

Background



This preview shows how black text looks on a background with the XYZ color 31.8269, 39.9622, 36.6079.



This preview shows how white text looks on a background with the XYZ color 31.8269, 39.9622,

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

31.8269, 39.9622, 36.6079

Protanopia

37.6647, 39.8612, 33.7258

Deuteranopia

40.5040, 39.6102, 37.8585



Tritanopia

35.3305, 39.9095, 53.9853

Trichromacy



Original Color

31.8269, 39.9622, 36.6079

Protanomaly

35.1465, 39.6662, 34.6581

Deuteranomaly

36.6360, 39.2453, 37.5425

Tritanomaly

33.8751, 39.8972, 46.9898

Monochromacy



Original Color

31.8269, 39.9622, 36.6079

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.4820, 37.5894, 38.7485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8269, 39.9622, 36.6079 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(133, 180, 154)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 154)  
}
```

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(133, 180, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.8269, 39.9622, 36.6079 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(133, 180, 154) }
```


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

```
.border{ border-color:rgb(133, 180, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 180, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 180, 154); box-shadow:4px 4px 4px 4px rgb(133, 180, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8269, 39.9622, 36.6079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 154) }
```

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

```
.background{ background-color: rgb(133,  
180, 154) }
```

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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