

Converting Colors

XYZ(31.9671, 49.4354, 31.8959)

Have a look what the booklet for
XYZ(31.9671, 49.4354, 31.8959)
contains.

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Color

**XYZ(31.9672, 49.4335,
31.9015)**

Conversions

Conversions Part 1

Format	Color
Hex	60D08A
RGB	96, 208, 138
RGB Percent	38%, 82%, 54%
CMY	0.6235, 0.1843, 0.4588
CMYK	0.54, 0.00, 0.34, 0.18
HSL	142°, 54%, 60%
HSV	142°, 54%, 82%
XYZ	31.9672, 49.4335, 31.9015
YIQ	166.5320, -44.2820, -45.5140

Conversions

Conversions Part 2

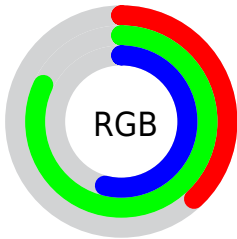
Format	Color
RYB	96, 177, 208
Decimal	6344842
CIELab	75.72, -47.63, 25.30
CIELCh	76, 53.933, 152.021
Yxy	49.4335, 0.2821, 0.4363
Android (android.graphics.Color)	4284534922 (0xFF60D08A)
YUV	166.5320, -14.0663, -61.8566
Hunter-Lab	70.3090, -41.8825, 22.3144

Details

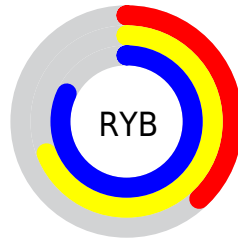
The XYZ color **31.9672, 49.4335, 31.9015** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.0798, 24.5299, 38.8587**, and the grayscale version is **36.5857, 38.4910, 41.9167**.

A 20% lighter version of the original color is **58.6009, 82.1958, 62.6460**, and **13.6470, 23.7466, 12.8811** is the 20% darker color. If you saturate the color by 10%, you get **29.1760, 48.0983, 27.1488**, and if you desaturate by 10%, it is **35.4525, 51.1163, 37.2771**.

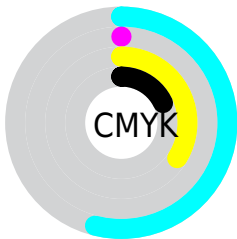
Distribution



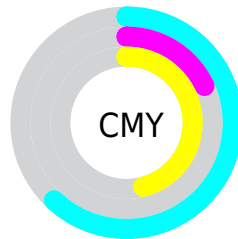
- Red (38%)
- Green (82%)
- Blue (54%)



- Red (38%)
- Yellow (69%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (34%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9672, 49.4335, 31.9015 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 31.9672, 49.4335, 31.9015 by changing the saturation by 10% instead.


 31.9672, 49.4335,
31.9015


 31.9672, 49.4335,
31.9015


302.7178,
384.4464, 325.1492


 21.4919, 34.9635,
21.0221


 62.1252, 89.3350,
63.7528

 13.5985, 23.6347,
12.9487


 82.5386, 115.5352,
85.5617

 7.9218, 15.0629,
7.2629


 106.9954,
146.4143, 111.8508

 4.0963, 8.8635,
3.5462

 135.8609,
182.3566, 143.0388

 1.7568, 4.6523,
1.3798

169.5006,
223.7466, 179.5440

 0.4914, 2.0447,
0.1259

208.2797,

 0.0000, 0.6333,

270.9686, 221.7852

0.0000

252.5636,
324.4071, 270.1807

■ 0.0000, 0.0000,
0.0000

■ 31.9672, 49.4335,
31.9015

■ 31.9672, 49.4335,
31.9015

■ 29.1760, 48.0983,
27.1488

■ 35.4525, 51.1163,
37.2771

■ 27.0244, 47.0789,
22.9924

■ 39.6735, 53.1635,
43.2938

■ 25.4556, 46.3478,
19.4090

■ 44.6729, 55.5981,
49.9736

■ 24.3996, 45.8695,
16.3719

■ 50.4890, 58.4394,
57.3361

■ 23.9319, 45.6636,
14.7603

■ 57.1573, 61.7055,
65.4002

■ 64.7113, 65.4131,
74.1840

■ 73.1828, 69.5784,
83.7050

■ 79.8246, 72.7847,
93.8500

■ 81.8468, 73.5936,
104.4989

Harmonies

Analogous

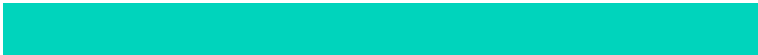
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5090, 49.4335, 19.3327



31.9672, 49.4335, 31.9015



30.2688, 49.4335, 55.7898

Triad

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



31.9672, 49.4335, 31.9015



47.6663, 49.4335, 129.7510



65.2471, 49.4335, 29.5869

Complementary

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



31.9672, 49.4335, 31.9015



37.0798, 24.5299, 38.8587

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.



68.9413, 49.4335, 51.9062



31.9672, 49.4335, 31.9015



57.9361, 49.4335, 115.3199

Square

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



31.9672, 49.4335, 31.9015



38.5287, 49.4335, 118.5771



66.0946, 49.4335, 84.0159



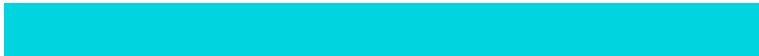
56.5962, 49.4335, 18.3681

Rectangle

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



31.9672, 49.4335, 31.9015



31.3181, 49.4335, 77.2258



66.0946, 49.4335, 84.0159



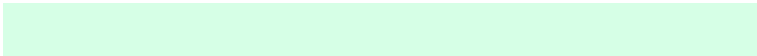
67.1609, 49.4335, 35.7043

Sweetspot

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



31.9685, 49.4355, 31.9026



77.7627, 91.5314, 88.0639



40.5911, 54.1667, 19.3827



16.2239, 19.3859, 18.3211



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.9685, 49.4355, 31.9026



45.5227, 75.9038, 41.7025



37.0144, 51.4539, 58.4739



11.8370, 13.2786, 13.4983



14.9584, 28.4763, 9.4270



0.8744, 1.6074, 0.7274

Inverse Universe

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



37.0798, 24.5299, 38.8587



54.4416, 32.2898, 53.7246



33.0623, 22.9229, 17.7024



12.1150, 11.9307, 13.8813



18.7719, 9.3816, 14.2369



1.0874, 0.5397, 0.9951

Previews

White Background



This preview shows how the XYZ color 31.9672, 49.4335, 31.9015 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 31.9672, 49.4335, 31.9015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

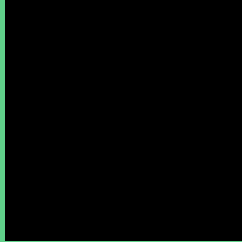
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9672, 49.4335, 31.9015

Background



This preview shows how black text looks on a background with the XYZ color 31.9672, 49.4335, 31.9015.

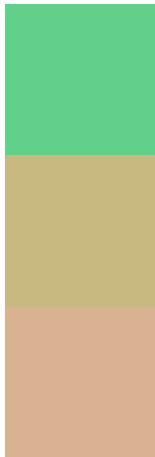


This preview shows how white text looks on a background with the XYZ color 31.9672, 49.4335,

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

31.9672, 49.4335, 31.9015

Protanopia

45.0647, 48.5358, 27.4153

Deuteranopia

49.6465, 48.6368, 33.5593



Tritanopia

39.7959, 49.0764, 71.6652

Trichromacy



Original Color

31.9672, 49.4335, 31.9015



Protanomaly

38.1351, 47.4873, 28.9858



Deuteranomaly

40.3137, 47.2324, 32.5832



Tritanomaly

36.3968, 49.0801, 54.5688

Monochromacy



Original Color

31.9672, 49.4335, 31.9015



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.7132, 41.5189, 37.6896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9672, 49.4335, 31.9015 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(96, 208, 138)` looks like.

```
.text, #text, p{  
    color:rgb(96, 208, 138)  
}
```

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(96, 208, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 208, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.9672, 49.4335, 31.9015 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(96, 208, 138) }
```


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

```
.border{ border-color:rgb(96, 208, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 208, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 208, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 208, 138);  
box-shadow:4px 4px 4px 4px rgb(96, 208,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9672, 49.4335, 31.9015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 208, 138) }
```

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

```
.background{ background-color: rgb(96, 208,  
138) }
```

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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