

Converting Colors

XYZ(32.2688, 49.0693, 33.2307)

Have a look what the booklet for
XYZ(32.2688, 49.0693, 33.2307)
contains.

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Color

**XYZ(32.3409, 49.2313,
33.3892)**

Conversions

Conversions Part 1

Format	Color
Hex	63CF8E
RGB	99, 207, 142
RGB Percent	39%, 81%, 56%
CMY	0.6118, 0.1882, 0.4431
CMYK	0.52, 0.00, 0.31, 0.19
HSL	144°, 53%, 60%
HSV	144°, 52%, 81%
XYZ	32.3409, 49.2313, 33.3892
YIQ	167.2980, -43.5030, -43.1110

Conversions

Conversions Part 2

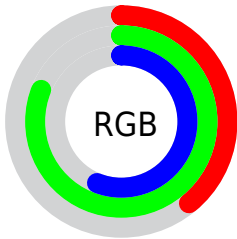
Format	Color
RYB	99, 176, 207
Decimal	6541198
CIELab	75.59, -45.74, 23.05
CIElCh	76, 51.221, 153.251
Yxy	49.2313, 0.2813, 0.4282
Android (android.graphics.Color)	4284731278 (0xFF63CF8E)
YUV	167.2980, -12.4719, -59.8973
Hunter-Lab	70.1650, -40.5134, 20.9014

Details

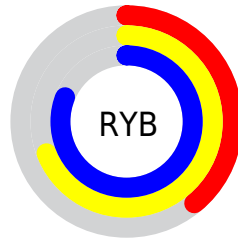
The XYZ color **32.3409, 49.2313, 33.3892** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.8964, 24.8705, 37.9796**, and the grayscale version is **36.9511, 38.8755, 42.3354**.

A 20% lighter version of the original color is **59.4341, 82.5734, 65.0303**, and **13.8441, 23.5869, 13.7206** is the 20% darker color. If you saturate the color by 10%, you get **29.4791, 47.8594, 28.6428**, and if you desaturate by 10%, it is **35.8894, 50.9478, 38.7157**.

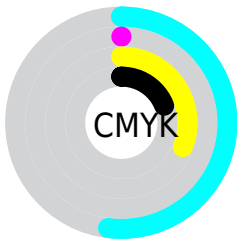
Distribution



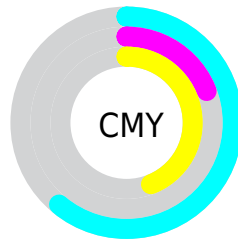
- Red (39%)
- Green (81%)
- Blue (56%)



- Red (39%)
- Yellow (69%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)





- Cyan (61%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3409, 49.2313, 33.3892 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 32.3409, 49.2313, 33.3892 by changing the saturation by 10% instead.


 32.3409, 49.2313,
33.3892


 32.3409, 49.2313,
33.3892


304.3870,
383.6522, 332.0855


 21.7788, 34.8030,
22.1512


 62.7067, 89.0349,
66.1057

 13.8102, 23.5112,
13.7687


 83.2412, 115.1790,
88.4213

 8.0696, 14.9714,
7.8230


 107.8305,
145.9971, 115.2665

 4.1917, 8.7993,
3.8958

 136.8400,
181.8736, 147.0598

 1.8111, 4.6105,
1.5683

170.6350,
223.1930, 184.2198

 0.5244, 2.0206,
0.2681

209.5810,

 0.0000, 0.6194,

270.3397, 227.1651

0.0000

254.0432,
323.6979, 276.3141

■ 0.0000, 0.0000,
0.0000

■ 32.3409, 49.2313,
33.3892

■ 32.3409, 49.2313,
33.3892

■ 29.4791, 47.8594,
28.6428

■ 35.8894, 50.9478,
38.7157

■ 27.2514, 46.8015,
24.4530

■ 40.1646, 53.0250,
44.6381

■ 25.6038, 46.0312,
20.7994

■ 45.2075, 55.4853,
51.1756

■ 24.4700, 45.5151,
17.6591

■ 51.0551, 58.3472,
58.3457

■ 23.8526, 45.2431,
15.5417

■ 57.7420, 61.6283,
66.1649

■ 65.3006, 65.3449,
74.6493

■ 73.7615, 69.5126,
83.8143

■ 79.5315, 72.2786,
93.5055

■ 81.4640, 73.0516,
103.6822

Harmonies

Analogous

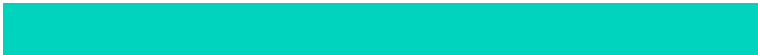
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5004, 49.2313, 20.7470



32.3409, 49.2313, 33.3892



30.8634, 49.2313, 56.6174

Triad

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



32.3409, 49.2313, 33.3892



47.8334, 49.2313, 124.3623



63.7356, 49.2313, 29.7899

Complementary

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



32.3409, 49.2313, 33.3892



36.8964, 24.8705, 37.9796

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.



67.4328, 49.2313, 50.7004



32.3409, 49.2313, 33.3892



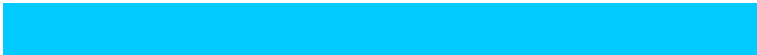
57.5061, 49.2313, 110.1243

Square

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



32.3409, 49.2313, 33.3892



39.0652, 49.2313, 114.9744



65.0132, 49.2313, 80.6737



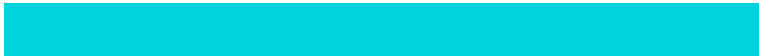
55.4778, 49.2313, 19.2153

Rectangle

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



32.3409, 49.2313, 33.3892



31.9751, 49.2313, 76.9438



65.0132, 49.2313, 80.6737



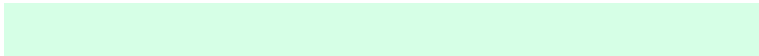
65.5999, 49.2313, 35.5380

Sweetspot

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



32.3422, 49.2333, 33.3903



77.8954, 91.5844, 88.7624



40.2088, 53.5926, 20.0301



16.2554, 19.3985, 18.4867



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.



32.3422, 49.2333, 33.3903



46.6105, 76.3976, 44.7780



37.2426, 51.1935, 59.1954



11.8485, 13.2831, 13.5586



15.0714, 28.5215, 10.0222



0.8814, 1.6102, 0.7642

Inverse Universe

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



36.8964, 24.8705, 37.9796



54.6821, 33.0911, 52.8177



33.0977, 23.3510, 17.9761



12.1032, 11.9260, 13.8192



18.5757, 9.3031, 13.2039



1.0772, 0.5356, 0.9414

Previews

White Background



This preview shows how the XYZ color 32.3409, 49.2313, 33.3892 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 32.3409, 49.2313, 33.3892 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

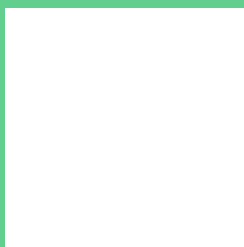
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3409, 49.2313, 33.3892

Background



This preview shows how black text looks on a background with the XYZ color 32.3409, 49.2313, 33.3892.



This preview shows how white text looks on a background with the XYZ color 32.3409, 49.2313,

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

32.3409, 49.2313, 33.3892

Protanopia

45.0670, 48.5060, 28.8171

Deuteranopia

49.2900, 48.4260, 34.7663



Tritanopia

39.8029, 49.0948, 70.9967

Trichromacy



Original Color

32.3409, 49.2313, 33.3892



Protanomaly

38.6182, 47.7040, 30.4650



Deuteranomaly

40.6195, 47.3548, 34.1936



Tritanomaly

36.5193, 48.7836, 55.0684

Monochromacy



Original Color

32.3409, 49.2313, 33.3892



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.0548, 41.6753, 38.5970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3409, 49.2313, 33.3892 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(99, 207, 142)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 142)  
}
```

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(99, 207, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 142) }
```

Border

The CSS property to change the border of an element to XYZ 32.3409, 49.2313, 33.3892 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(99, 207, 142) }
```


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

```
.border{ border-color:rgb(99, 207, 142) }
```

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

Here you see how a box with a 4 pixel rgb(99, 207, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 142);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3409, 49.2313, 33.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 142) }
```

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

```
.background{ background-color: rgb(99, 207,  
142) }
```

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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