

Converting Colors

XYZ(31.7410, 49.2306, 35.8473)

Have a look what the booklet for
XYZ(31.7410, 49.2306, 35.8473)
contains.

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Color

**XYZ(31.7389, 49.2283,
35.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	56D094
RGB	86, 208, 148
RGB Percent	34%, 82%, 58%
CMY	0.6627, 0.1843, 0.4196
CMYK	0.59, 0.00, 0.29, 0.18
HSL	150°, 56%, 58%
HSV	150°, 59%, 82%
XYZ	31.7389, 49.2283, 35.8462
YIQ	164.6820, -53.4520, -44.5240

Conversions

Conversions Part 2

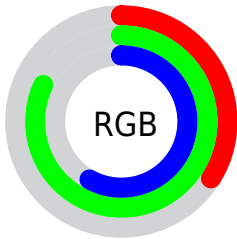
Format	Color
RYB	86, 167, 208
Decimal	5689492
CIELab	75.59, -47.91, 19.82
CIElCh	76, 51.849, 157.526
Yxy	49.2283, 0.2717, 0.4214
Android (android.graphics.Color)	4283879572 (0xFF56D094)
YUV	164.6820, -8.2242, -69.0041
Hunter-Lab	70.1629, -42.0387, 18.8228

Details

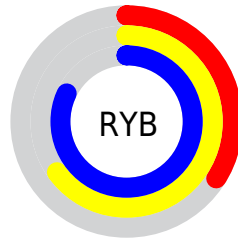
The XYZ color **31.7389, 49.2283, 35.8462** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **34.5301, 22.1418, 29.6496**, and the grayscale version is **35.6694, 37.5270, 40.8669**.

A 20% lighter version of the original color is **58.0977, 81.8040, 68.6048**, and **13.5489, 23.6455, 15.1592** is the 20% darker color. If you saturate the color by 10%, you get **29.3211, 48.0727, 31.6919**, and if you desaturate by 10%, it is **34.7880, 50.7038, 40.4058**.

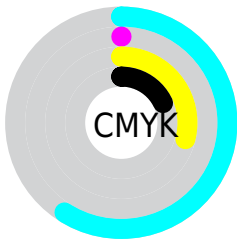
Distribution



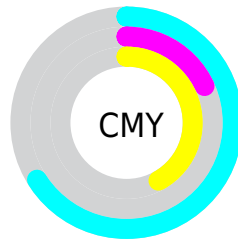
- Red (34%)
- Green (82%)
- Blue (58%)



- Red (34%)
- Yellow (65%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (29%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7389, 49.2283, 35.8462 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 31.7389, 49.2283, 35.8462 by changing the saturation by 10% instead.


 31.7389, 49.2283,
35.8462


 31.7389, 49.2283,
35.8462


301.6946,
383.6404, 343.3049

 21.3167, 34.8006,
24.0267


 61.7695, 89.0304,
69.9610


 13.4695, 23.5093,
15.1410


 82.1086, 115.1737,
93.0933

 7.8318, 14.9700,
8.7707

 106.4841,
145.9909, 120.8337

 4.0384, 8.7984,
4.4972

 135.2614,
181.8665, 153.6006

 1.7239, 4.6099,
1.9019

168.8057,
223.1848, 191.8127

 0.4712, 2.0202,
0.4939

207.4824,

 0.0000, 0.6192,

270.3303, 235.8884

0.0000

251.6569,
323.6874, 286.2463

■ 0.0000, 0.0000,
0.0000

■ 31.7389, 49.2283,
35.8462

■ 31.7389, 49.2283,
35.8462

■ 29.3211, 48.0727,
31.6919

■ 34.7880, 50.7038,
40.4058

■ 27.4790, 47.2045,
27.9276

■ 38.5103, 52.5164,
45.3787

■ 26.1533, 46.5946,
24.5413

■ 42.9482, 54.6894,
50.7770

■ 25.2500, 46.1949,
21.5184

■ 48.1395, 57.2419,
56.6110

■ 25.1430, 46.1480,
21.1377

■ 54.1194, 60.1918,
62.8908

■ 60.9207, 63.5560,
69.6260

■ 68.5742, 67.3500,
76.8260

■ 77.1092, 71.5890,
84.4998

■ 79.5355, 72.6690,
92.3278

Harmonies

Analogous

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



36.4353, 49.2283, 21.6864



31.7389, 49.2283, 35.8462



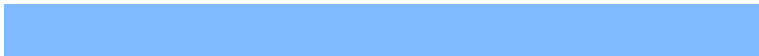
30.7902, 49.2283, 60.8178

Triad

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



31.7389, 49.2283, 35.8462



49.2463, 49.2283, 124.8279



62.9859, 49.2283, 27.4449

Complementary

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



31.7389, 49.2283, 35.8462



34.5301, 22.1418, 29.6496

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.



67.5489, 49.2283, 46.9794



31.7389, 49.2283, 35.8462



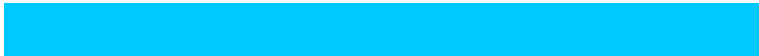
58.9413, 49.2283, 107.3217

Square

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



31.7389, 49.2283, 35.8462



40.0909, 49.2283, 118.6857



65.9757, 49.2283, 76.4223



54.1967, 49.2283, 18.1194

Rectangle

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



31.7389, 49.2283, 35.8462



32.2720, 49.2283, 81.8905



65.9757, 49.2283, 76.4223



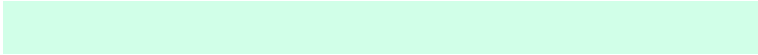
65.1160, 49.2283, 32.7166

Sweetspot

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



31.7402, 49.2303, 35.8473



76.7089, 90.9403, 90.1717



36.2698, 51.9888, 16.9278



15.8695, 19.1945, 18.7001



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.



31.7402, 49.2303, 35.8473



45.7750, 75.8749, 48.8946



37.7804, 51.6464, 67.6544



11.9034, 13.3051, 13.8477



15.7188, 28.7805, 13.4315



0.9189, 1.6252, 0.9619

Inverse Universe

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



34.5301, 22.1418, 29.6496



50.5859, 29.1888, 38.2265



31.0213, 20.7383, 11.1725



12.0476, 11.9038, 13.5265



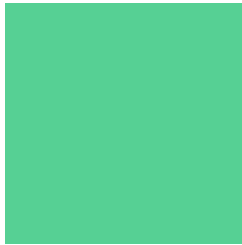
17.7649, 8.9788, 8.9343



1.0333, 0.5181, 0.7104

Previews

White Background



This preview shows how the XYZ color 31.7389, 49.2283, 35.8462 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 31.7389, 49.2283, 35.8462 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

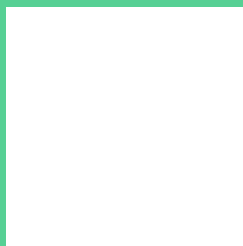
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7389, 49.2283, 35.8462

Background



This preview shows how black text looks on a background with the XYZ color 31.7389, 49.2283, 35.8462.

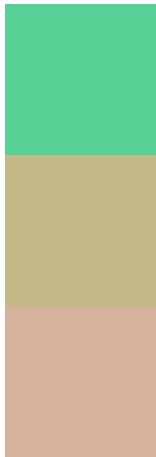


This preview shows how white text looks on a background with the XYZ color 31.7389, 49.2283,

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

31.7389, 49.2283, 35.8462

Protanopia

45.1530, 48.5098, 30.6504

Deuteranopia

49.2774, 48.3535, 37.7463



Tritanopia

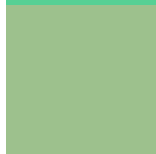
38.7526, 48.8789, 71.6821

Trichromacy



Original Color

31.7389, 49.2283, 35.8462



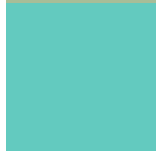
Protanomaly

37.7823, 47.2311, 32.3245



Deuteranomaly

39.8014, 46.8777, 36.6563



Tritanomaly

35.6701, 48.6553, 56.8016

Monochromacy



Original Color

31.7389, 49.2283, 35.8462



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.9352, 40.7852, 38.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7389, 49.2283, 35.8462 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(86, 208, 148)` looks like.

```
.text, #text, p{  
    color:rgb(86, 208, 148)  
}
```

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(86, 208, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 208, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.7389, 49.2283, 35.8462 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(86, 208, 148) }
```


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

```
.border{ border-color:rgb(86, 208, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 208, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 208, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 208, 148);  
box-shadow:4px 4px 4px 4px rgb(86, 208,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7389, 49.2283, 35.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 208, 148) }
```

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

```
.background{ background-color: rgb(86, 208,  
148) }
```

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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