

Converting Colors

XYZ(31.9427, 42.9219, 49.6582)

Have a look what the booklet for
XYZ(31.9427, 42.9219, 49.6582)
contains.

XYZ(31.9072, 42.8315, 49.7656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9072, 42.8315,
49.7656)**

Conversions

Conversions Part 1

Format	Color
Hex	64BEB4
RGB	100, 190, 180
RGB Percent	39%, 75%, 71%
CMY	0.6078, 0.2549, 0.2941
CMYK	0.47, 0.00, 0.05, 0.25
HSL	173°, 41%, 57%
HSV	173°, 47%, 75%
XYZ	31.9072, 42.8315, 49.7656
YIQ	161.9500, -50.4300, -22.1900

Conversions

Conversions Part 2

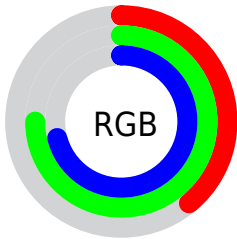
Format	Color
RYB	100, 148, 190
Decimal	6602420
CIELab	71.44, -29.40, -3.30
CIELCh	71, 29.584, 186.403
Yxy	42.8315, 0.2563, 0.3440
Android (android.graphics.Color)	4284792500 (0xFF64BEB4)
YUV	161.9500, 8.8987, -54.3301
Hunter-Lab	65.4458, -27.5049, 0.7274

Details

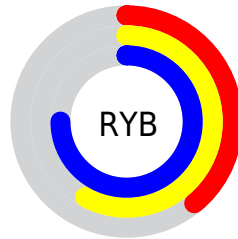
The XYZ color **31.9072, 42.8315, 49.7656** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.6083, 21.1885, 17.3354**, and the grayscale version is **34.2969, 36.0830, 39.2944**.

A 20% lighter version of the original color is **62.1114, 79.6456, 91.4564**, and **13.5100, 19.5917, 23.1482** is the 20% darker color. If you saturate the color by 10%, you get **29.8326, 41.7877, 48.5550**, and if you desaturate by 10%, it is **34.4776, 44.1326, 51.0184**.

Distribution



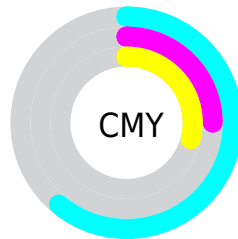
- Red (39%)
- Green (75%)
- Blue (71%)



- Red (39%)
- Yellow (58%)
- Blue (75%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (61%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9072, 42.8315, 49.7656 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 31.9072, 42.8315, 49.7656 by changing the saturation by 10% instead.

■ 31.9072, 42.8315,
49.7656

■ 31.9072, 42.8315,
49.7656

302.4491,
357.9184, 402.4574

■ 21.4458, 29.7529,
34.8573

■ 62.0318, 79.4565,
91.2202

■ 13.5646, 19.6511,
23.2703

■ 82.4257, 103.7718,
118.6036

■ 7.8981, 12.1417,
14.5861

■ 106.8611,
132.6014, 150.9825

■ 4.0811, 6.8403,
8.3860

■ 135.7035,
166.3297, 188.7753

■ 1.7481, 3.3624,
4.2516

169.3181,
205.3412, 232.4007

■ 0.4861, 1.3237,
1.7644

208.0703,

■ 0.0000, 0.1595,

250.0202, 282.2771

0.4043

252.3256,
300.7511, 338.8232

■ 0.0000, 0.0000,
0.0000

■ 31.9072, 42.8315,
49.7656

■ 31.9072, 42.8315,
49.7656

■ 29.8326, 41.7877,
48.5550

■ 34.4776, 44.1326,
51.0184

■ 28.2155, 40.9784,
47.3818

■ 37.5714, 45.7021,
52.3120

■ 27.0180, 40.3850,
46.2453


■ 41.2184, 47.5564,
53.6487


■ 26.1946, 39.9840,
45.1431


■ 45.4452, 49.7092,
55.0299


■ 25.6799, 39.7418,
44.0723


■ 50.2767, 52.1733,
56.4568

 25.5650, 39.6887,
43.7941

 55.7363, 54.9609,
57.9306

 61.8461, 58.0832,
59.4523

 68.6272, 61.5513,
61.0231

 69.9636, 62.2121,
62.3567

Harmonies

Analogous

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



32.5419, 42.8315, 36.4868



31.9072, 42.8315, 49.7656



33.4715, 42.8315, 64.9009

Triad

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



31.9072, 42.8315, 49.7656



46.6684, 42.8315, 72.4074



44.6693, 42.8315, 25.7301

Complementary

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



31.9072, 42.8315, 49.7656



28.6083, 21.1885, 17.3354

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.



48.9235, 42.8315, 32.1666



31.9072, 42.8315, 49.7656



50.1420, 42.8315, 58.5123

Square

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



31.9072, 42.8315, 49.7656



41.7886, 42.8315, 79.5863



50.9991, 42.8315, 43.6409



39.6503, 42.8315, 24.3273

Rectangle

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



31.9072, 42.8315, 49.7656



35.6325, 42.8315, 73.4464



50.9991, 42.8315, 43.6409



46.2484, 42.8315, 27.3019

Sweetspot

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



31.9084, 42.8332, 49.7666



76.9811, 87.3417, 97.9930



27.2078, 41.0959, 18.5558



16.5519, 19.0000, 21.3994



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.9084, 42.8332, 49.7666



53.8750, 75.6302, 87.8655



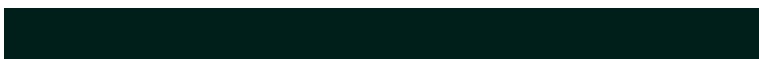
26.3559, 30.0380, 53.1258



9.7617, 10.7908, 11.9944



17.0167, 26.3970, 29.2145



0.6797, 1.0393, 1.2138

Inverse Universe

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



28.6083, 21.1885, 17.3354



47.1872, 31.6262, 22.0392



32.1313, 29.0575, 15.9727



9.5721, 9.5532, 10.1358



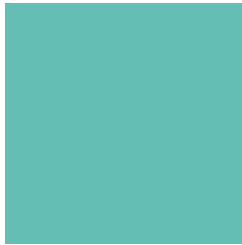
14.2259, 7.3215, 1.2174



0.5717, 0.2926, 0.1240

Previews

White Background



This preview shows how the XYZ color 31.9072, 42.8315, 49.7656 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 31.9072, 42.8315, 49.7656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

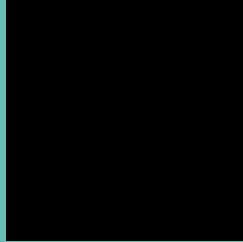
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9072, 42.8315, 49.7656

Background



This preview shows how black text looks on a background with the XYZ color 31.9072, 42.8315, 49.7656.

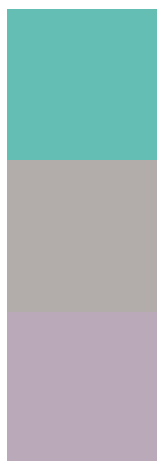


This preview shows how white text looks on a background with the XYZ color 31.9072, 42.8315,

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

31.9072, 42.8315, 49.7656

Protanopia

40.5594, 42.2544, 44.0484

Deuteranopia

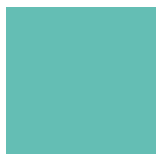
43.1946, 42.3178, 51.7905



Tritanopia

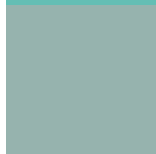
34.4944, 42.9307, 62.3455

Trichromacy



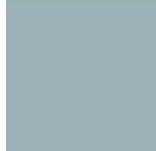
Original Color

31.9072, 42.8315, 49.7656



Protanomaly

36.3378, 41.7802, 46.1936



Deuteranomaly

37.7870, 41.8317, 50.8825



Tritanomaly

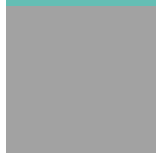
33.4297, 42.8045, 57.5391

Monochromacy



Original Color

31.9072, 42.8315, 49.7656



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.5614, 37.8586, 43.1274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9072, 42.8315, 49.7656 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(100, 190, 180)` looks like.

```
.text, #text, p{  
    color:rgb(100, 190, 180)  
}
```

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(100, 190, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 190, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.9072, 42.8315, 49.7656 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(100, 190, 180) }
```


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

```
.border{ border-color:rgb(100, 190, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 190, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 190, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 190, 180);  
box-shadow:4px 4px 4px 4px rgb(100, 190,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9072, 42.8315, 49.7656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 190, 180) }
```

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

```
.background{ background-color: rgb(100,  
190, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor