

Converting Colors

XYZ(21.9803, 31.3813, 42.0913)

Have a look what the booklet for
XYZ(21.9803, 31.3813, 42.0913)
contains.

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Color

**XYZ(21.9072, 31.2638,
41.9257)**

Conversions

Conversions Part 1

Format	Color
Hex	27A8A8
RGB	39, 168, 168
RGB Percent	15%, 66%, 66%
CMY	0.8470, 0.3412, 0.3412
CMYK	0.77, 0.00, 0.00, 0.34
HSL	180°, 62%, 41%
HSV	180°, 77%, 66%
XYZ	21.9072, 31.2638, 41.9257
YIQ	129.4290, -76.8840, -27.3480

Conversions

Conversions Part 2

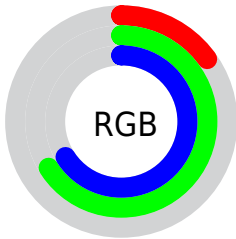
Format	Color
R_{YB}	39, 104, 168
Decimal	2599080
CIE _{Lab}	62.73, -32.79, -9.76
CIE _{LCh}	63, 34.211, 196.578
Yxy	31.2638, 0.2304, 0.3288
Android (android.graphics.Color)	4280789160 (0xFF27A8A8)
YUV	129.4290, 19.0155, -79.3062
Hunter-Lab	55.9140, -27.9130, -5.3172

Details

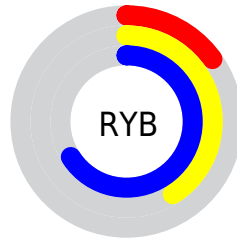
The XYZ color **21.9072, 31.2638, 41.9257** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.2412, 9.9233, 2.9270**, and the grayscale version is **20.9726, 22.0648, 24.0286**.

A 20% lighter version of the original color is **46.1593, 61.8272, 79.3130**, and **9.2831, 13.5224, 18.6438** is the 20% darker color. If you saturate the color by 10%, you get **21.4066, 31.0064, 41.9029**, and if you desaturate by 10%, it is **22.6914, 31.6687, 41.9632**.

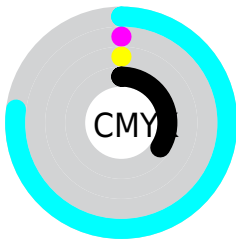
Distribution



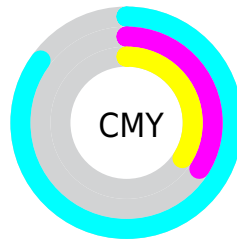
- Red (15%)
- Green (66%)
- Blue (66%)



- Red (15%)
- Yellow (41%)
- Blue (66%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (85%)
- Magenta (34%)
- Yellow (34%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9072, 31.2638, 41.9257 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 21.9072, 31.2638, 41.9257 by changing the saturation by 10% instead.

■ 21.9072, 31.2638,
41.9257

■ 21.9072, 31.2638,
41.9257

254.7027,
307.7518, 369.9654

■ 13.9049, 20.7998,
28.7180

■ 46.0726, 61.6552,
79.3560

■ 8.1358, 12.9777,
18.6238

■ 62.9664, 82.3513,
104.4157

■ 4.2345, 7.4132,
11.2247

■ 83.5548, 107.2270,
134.2632

■ 1.8357, 3.7218,
6.1021

■ 108.2031,
136.6666, 169.3169

■ 0.5390, 1.5192,
2.8375

■ 137.2767,
171.0544, 209.9954

■ 0.0000, 0.3022,
1.0123

171.1409,

■ 0.0000, 0.0000,

210.7750, 256.7174

0.0000

210.1612,
256.2127, 309.9012

■ 21.9072, 31.2638,
41.9257

■ 21.9072, 31.2638,
41.9257

■ 21.4066, 31.0064,
41.9029

■ 22.6914, 31.6687,
41.9632

■ 21.1388, 30.8684,
41.8903

■ 23.7893, 32.2347,
42.0147

■ 21.0711, 30.8335,
41.8871

■ 25.2304, 32.9776,
42.0822

■ 27.0400, 33.9105,
42.1670

■ 29.2410, 35.0452,
42.2701

■ 31.8544, 36.3925,
42.3925

■ 34.8999, 37.9625,
42.5351

■ 38.3958, 39.7646,
42.6988

■ 42.3592, 41.8078,
42.8844

Harmonies

Analogous

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



21.8028, 31.2638, 28.4094



21.9072, 31.2638, 41.9257



23.9561, 31.2638, 56.3663

Triad

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



21.9072, 31.2638, 41.9257



36.7325, 31.2638, 54.9745



31.8505, 31.2638, 14.6413

Complementary

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



21.9072, 31.2638, 41.9257



17.2412, 9.9233, 2.9270

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.



36.3307, 31.2638, 18.5599



21.9072, 31.2638, 41.9257



39.3423, 31.2638, 40.3715

Square

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



21.9072, 31.2638, 41.9257



32.3541, 31.2638, 65.1483



39.1880, 31.2638, 27.2125



27.2241, 31.2638, 14.8514

Rectangle

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



21.9072, 31.2638, 41.9257



26.2842, 31.2638, 63.5420



39.1880, 31.2638, 27.2125



33.4327, 31.2638, 15.4641

Sweetspot

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



21.9081, 31.2650, 41.9265



54.5679, 64.3696, 76.7732



15.2903, 28.6275, 6.6399



11.5538, 13.8547, 16.7173



80.6108, 84.8088, 92.3568



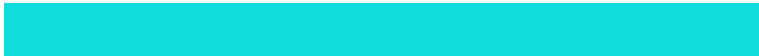
14.7206, 15.4872, 16.8656

Same Dimension

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



21.9081, 31.2650, 41.9265



38.4763, 56.0741, 76.0189



13.0237, 13.4959, 38.9657



7.7476, 8.5321, 9.6568



15.9115, 23.2833, 31.6303



0.3871, 0.5665, 0.7696

Inverse Universe

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



17.2412, 9.9233, 2.9270



29.6183, 15.5668, 1.9966



21.2037, 17.8482, 4.2477



7.5311, 7.5423, 7.8482



12.1947, 6.2866, 0.5708



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 21.9072, 31.2638, 41.9257 looks on a white background.

Color Contrast Check

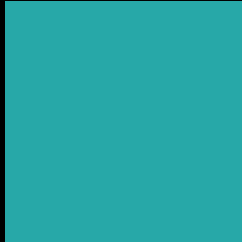
Large Text (above 18pt) WCAG AA × Fail

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 21.9072, 31.2638, 41.9257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

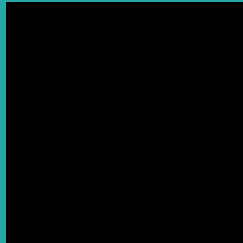
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

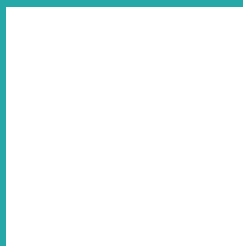
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9072, 31.2638, 41.9257

Background



This preview shows how black text looks on a background with the XYZ color 21.9072, 31.2638, 41.9257.

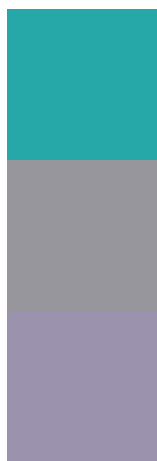


This preview shows how white text looks on a background with the XYZ color 21.9072, 31.2638,

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

21.9072, 31.2638, 41.9257

Protanopia

29.7546, 30.8263, 36.2801

Deuteranopia

31.4941, 30.8531, 43.8305



Tritanopia

23.0934, 31.1961, 47.9843

Trichromacy



Original Color

21.9072, 31.2638, 41.9257



Protanomaly

24.9204, 30.0021, 38.1958



Deuteranomaly

25.8821, 29.8937, 42.9340



Tritanomaly

22.7374, 31.3299, 45.9232

Monochromacy



Original Color

21.9072, 31.2638, 41.9257



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.6043, 24.1149, 29.6080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9072, 31.2638, 41.9257 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(39, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(39, 168, 168)  
}
```

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(39, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 21.9072, 31.2638, 41.9257 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(39, 168, 168) }
```


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

```
.border{ border-color:rgb(39, 168, 168) }
```

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

Here you see how a box with a 4 pixel rgb(39, 168, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(39, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9072, 31.2638, 41.9257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 168, 168) }
```

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

```
.background{ background-color: rgb(39, 168,  
168) }
```

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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