

Converting Colors

XYZ(21.4105, 31.9420, 37.4373)

Have a look what the booklet for
XYZ(21.4105, 31.9420, 37.4373)
contains.

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Color

**XYZ(21.3942, 31.9345,
37.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	22AB9E
RGB	34, 171, 158
RGB Percent	13%, 67%, 62%
CMY	0.8666, 0.3294, 0.3804
CMYK	0.80, 0.00, 0.08, 0.33
HSL	174°, 67%, 40%
HSV	174°, 80%, 67%
XYZ	21.3942, 31.9345, 37.3841
YIQ	128.5550, -77.4790, -33.0870

Conversions

Conversions Part 2

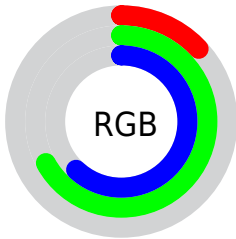
Format	Color
RYB	34, 106, 171
Decimal	2272158
CIELab	63.29, -37.61, -3.34
CIELCh	63, 37.759, 185.078
Yxy	31.9345, 0.2358, 0.3520
Android (android.graphics.Color)	4280462238 (0xFF22AB9E)
YUV	128.5550, 14.5164, -82.9247
Hunter-Lab	56.5106, -31.3158, 0.3347

Details

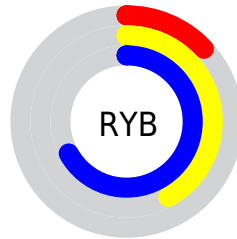
The XYZ color **21.3942, 31.9345, 37.3841** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.8809, 10.0083, 3.6801**, and the grayscale version is **20.6827, 21.7598, 23.6965**.

A 20% lighter version of the original color is **45.3050, 62.7455, 72.6741**, and **9.1323, 14.0184, 16.1344** is the 20% darker color. If you saturate the color by 10%, you get **20.8258, 31.6583, 36.6337**, and if you desaturate by 10%, it is **22.2466, 32.3584, 38.1588**.

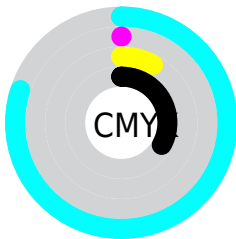
Distribution



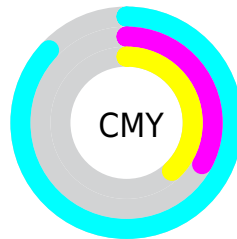
- Red (13%)
- Green (67%)
- Blue (62%)



- Red (13%)
- Yellow (42%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3942, 31.9345, 37.3841 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 21.3942, 31.9345, 37.3841 by changing the saturation by 10% instead.

■ 21.3942, 31.9345,
37.3841

■ 21.3942, 31.9345,
37.3841

252.0583,
310.8208, 350.1891

■ 13.5266, 21.3115,
25.2069

■ 45.2290, 62.7084,
72.3561

■ 7.8716, 13.3519,
16.0109

■ 61.9269, 83.6280,
95.9879

■ 4.0640, 7.6713,
9.3774

■ 82.2989, 108.7487,
124.2750

■ 1.7384, 3.8853,
4.8880

■ 106.7104,
138.4547, 157.6360

■ 0.4801, 1.6096,
2.1241

■ 135.5268,
173.1306, 196.4894

■ 0.0000, 0.3641,
0.6301

169.1133,

■ 0.0000, 0.0000,

213.1606, 241.2537

0.0000

207.8354,
258.9292, 292.3474

■ 21.3942, 31.9345,
37.3841

■ 21.3942, 31.9345,
37.3841

■ 20.8258, 31.6583,
36.6337

■ 22.2466, 32.3584,
38.1588

■ 20.4607, 31.4857,
35.9095

■ 23.4170, 32.9453,
38.9574

■ 24.9374, 33.7124,
39.7821

■ 26.8353, 34.6739,
40.6342

■ 29.1354, 35.8426,
41.5148

■ 31.8603, 37.2300,
42.4252

■ 35.0309, 38.8469,
43.3663

■ 38.6668, 40.7035,
44.3390

■ 42.7863, 42.8092,
45.3443

Harmonies

Analogous

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



22.1128, 31.9345, 23.9883



21.3942, 31.9345, 37.3841



22.8416, 31.9345, 54.0966

Triad

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



21.3942, 31.9345, 37.3841



36.5092, 31.9345, 64.0819



34.7926, 31.9345, 14.6406

Complementary

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



21.3942, 31.9345, 37.3841



17.8809, 10.0083, 3.6801

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.



39.3528, 31.9345, 20.7025



21.3942, 31.9345, 37.3841



40.4210, 31.9345, 48.3804

Square

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



21.3942, 31.9345, 37.3841



31.2519, 31.9345, 72.0904



41.5170, 31.9345, 32.2831



29.4711, 31.9345, 13.2438

Rectangle

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



21.3942, 31.9345, 37.3841



24.9501, 31.9345, 64.1492



41.5170, 31.9345, 32.2831



36.4840, 31.9345, 16.0935

Sweetspot

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



21.3951, 31.9357, 37.3849



54.8572, 65.5536, 75.2690



16.0576, 29.8637, 6.4323



11.8624, 14.4299, 16.6596



82.5889, 86.8899, 94.6231



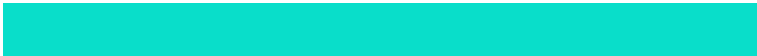
15.4596, 16.2647, 17.7123

Same Dimension

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



21.3951, 31.9357, 37.3849



36.8103, 56.4673, 64.6113



14.2802, 15.8191, 40.8301



8.2031, 9.0588, 10.0943



15.4344, 23.7390, 27.1250



0.4387, 0.6641, 0.8035

Inverse Universe

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



17.8809, 10.0083, 3.6801



30.3974, 15.7877, 2.6132



20.6405, 15.8867, 3.4929



8.0350, 8.0272, 8.4950



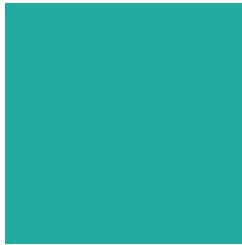
12.7418, 6.5593, 1.0199



0.3641, 0.1863, 0.0793

Previews

White Background



This preview shows how the XYZ color 21.3942, 31.9345, 37.3841 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 21.3942, 31.9345, 37.3841 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

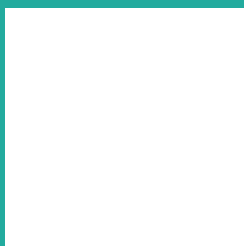
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3942, 31.9345, 37.3841

Background



This preview shows how black text looks on a background with the XYZ color 21.3942, 31.9345, 37.3841.

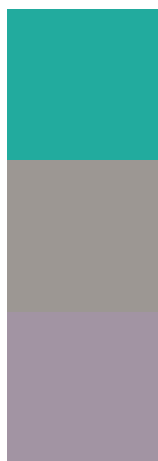


This preview shows how white text looks on a background with the XYZ color 21.3942, 31.9345,

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

21.3942, 31.9345, 37.3841

Protanopia

30.0434, 31.3077, 32.0633

Deuteranopia

32.1011, 31.5055, 39.0396



Tritanopia

23.7593, 32.0715, 48.6542

Trichromacy



Original Color

21.3942, 31.9345, 37.3841

Protanomaly

24.4949, 30.1328, 33.8034

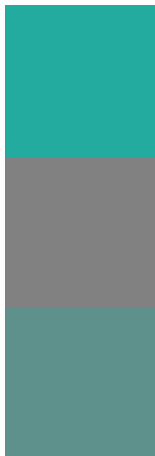
Deuteranomaly

25.3917, 29.9950, 38.1695

Tritanomaly

22.8130, 31.9510, 44.4999

Monochromacy



Original Color

21.3942, 31.9345, 37.3841

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.3230, 24.2197, 28.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3942, 31.9345, 37.3841 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(34, 171, 158)` looks like.

```
.text, #text, p{  
    color:rgb(34, 171, 158)  
}
```

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(34, 171, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 171, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.3942, 31.9345, 37.3841 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(34, 171, 158) }
```


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

```
.border{ border-color:rgb(34, 171, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 171, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 171, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 171, 158);  
box-shadow:4px 4px 4px 4px rgb(34, 171,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3942, 31.9345, 37.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 171, 158) }
```

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

```
.background{ background-color: rgb(34, 171,  
158) }
```

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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