

# Converting Colors

XYZ(24.0790, 37.7950, 37.1072)

Have a look what the booklet for  
XYZ(24.0790, 37.7950, 37.1072)  
contains.

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# Color

**XYZ(24.0710, 37.7914,  
37.0362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20BA9B
RGB	32, 186, 155
RGB Percent	13%, 73%, 61%
CMY	0.8745, 0.2706, 0.3922
CMYK	0.83, 0.00, 0.17, 0.27
HSL	168°, 71%, 43%
HSV	168°, 83%, 73%
XYZ	24.0710, 37.7914, 37.0362
YIQ	136.4200, -81.8330, -42.2890

# Conversions

## Conversions Part 2

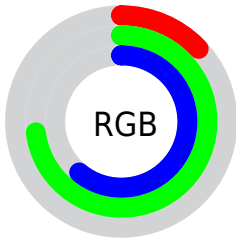
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 118, 186
Decimal	2144923
CIELab	67.87, -45.15, 4.99
CIELCh	68, 45.428, 173.698
Yxy	37.7914, 0.2434, 0.3821
Android (android.graphics.Color)	4280335003 (0xFF20BA9B)
YUV	136.4200, 9.1599, -91.5763
Hunter-Lab	61.4747, -37.6874, 7.3123

# Details

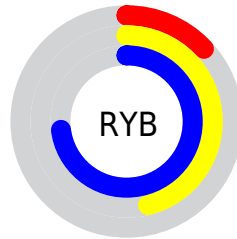
The XYZ color **24.0710, 37.7914, 37.0362** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.6648, 11.8322, 5.8465**, and the grayscale version is **23.5497, 24.7762, 26.9812**.

A 20% lighter version of the original color is **49.6226, 71.8304, 71.5709**, and **10.7500, 17.5020, 15.9083** is the 20% darker color. If you saturate the color by 10%, you get **23.3384, 37.4504, 35.3863**, and if you desaturate by 10%, it is **25.1413, 38.3072, 38.7545**.

# Distribution



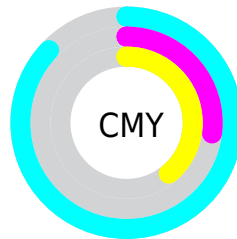
- Red (13%)
- Green (73%)
- Blue (61%)



- Red (13%)
- Yellow (46%)
- Blue (73%)



- Cyan (83%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)




- Cyan (87%)
- Magenta (27%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0710, 37.7914, 37.0362 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 24.0710, 37.7914, 37.0362 by changing the saturation by 10% instead.





 24.0710, 37.7914,  
37.0362


 24.0710, 37.7914,  
37.0362


265.6131,  
336.7243, 348.6406


 15.5113, 25.8208,  
24.9395


 49.5999, 71.7883,  
71.8154


 9.2677, 16.6896,  
15.8134

 67.2998, 94.5834,  
95.3350


 4.9747, 10.0135,  
9.2393


 88.7771, 121.7555,  
123.4993

 2.2670, 5.4079,  
4.7986

 114.3973,  
153.6889, 156.7269

 0.7777, 2.4885,  
2.0729

 144.5256,  
190.7682, 195.4363

 0.0000, 0.8709,  
0.5996

179.5274,

 0.0000, 0.0000,

233.3775, 240.0460

0.0000

219.7681,  
281.9014, 290.9746

■ 24.0710, 37.7914,  
37.0362

■ 24.0710, 37.7914,  
37.0362

■ 23.3384, 37.4504,  
35.3863

■ 25.1413, 38.3072,  
38.7545

■ 22.9490, 37.2748,  
34.2339

■ 26.5942, 39.0181,  
40.5412

■ 28.4709, 39.9464,  
42.3995

■ 30.8064, 41.1100,  
44.3316

■ 33.6320, 42.5252,  
46.3393

■ 36.9764, 44.2066,  
48.4244

■ 40.8657, 46.1678,  
50.5885

■ 45.3246, 48.4213,  
52.8332

■ 50.3759, 50.9791,  
55.1600

# Harmonies

## Analogous

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



26.0743, 37.7914, 22.1934



24.0710, 37.7914, 37.0362



24.8919, 37.7914, 58.7863

# Triad

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



24.0710, 37.7914, 37.0362



41.6416, 37.7914, 87.8561



44.5482, 37.7914, 17.1391

# Complementary

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



24.0710, 37.7914, 37.0362



21.6648, 11.8322, 5.8465

# 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.



49.8010, 37.7914, 27.4467



24.0710, 37.7914, 37.0362



47.9754, 37.7914, 68.6449

# Square

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



24.0710, 37.7914, 37.0362



34.4535, 37.7914, 92.9865



51.1306, 37.7914, 45.5543



37.4267, 37.7914, 13.3848



# Rectangle

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



24.0710, 37.7914, 37.0362



26.9916, 37.7914, 74.1771



51.1306, 37.7914, 45.5543



46.6266, 37.7914, 19.7500

# Sweetspot

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



24.0721, 37.7929, 37.0371



65.3353, 79.2767, 86.7638



20.0254, 36.3600, 7.3301



13.9121, 17.2188, 18.8123



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



24.0721, 37.7929, 37.0371



41.5910, 67.5624, 61.8691



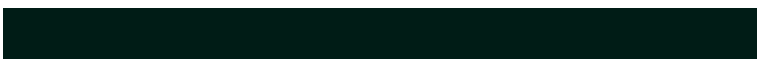
19.1877, 23.3095, 49.9438



9.1871, 10.1788, 11.1426



15.4661, 25.0874, 23.1740



0.5652, 0.8924, 0.9221



# Inverse Universe

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



21.6648, 11.8322, 5.8465



37.3212, 19.2105, 4.8388



23.0711, 15.6636, 3.1748



9.0766, 9.0410, 9.7507



13.8749, 7.1237, 1.9619

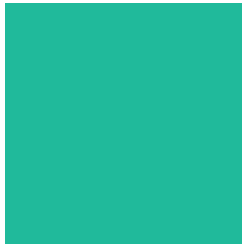


0.5112, 0.2600, 0.1854



# Previews

## White Background



This preview shows how the XYZ color 24.0710, 37.7914, 37.0362 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 24.0710, 37.7914, 37.0362 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

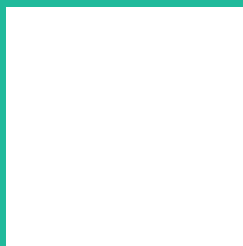
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.0710, 37.7914, 37.0362**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0710, 37.7914, 37.0362.



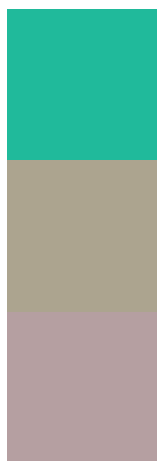
This preview shows how white text looks on a background with the XYZ color 24.0710, 37.7914,



# 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

24.0710, 37.7914, 37.0362

### Protanopia

35.2466, 37.3047, 31.3294

### Deuteranopia

37.8872, 37.1932, 38.9004



## Tritanopia

28.0961, 37.5747, 57.4016

# Trichromacy



## Original Color

24.0710, 37.7914, 37.0362



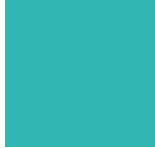
## Protanomaly

27.9041, 35.6766, 33.0193



## Deuteranomaly

29.1984, 35.3912, 38.0931



## Tritanomaly

26.2816, 37.4293, 49.0194

# Monochromacy



## Original Color

24.0710, 37.7914, 37.0362



## Achromatopsia

23.4014, 24.6201, 26.8113



## Achromatomaly

21.5505, 27.6910, 30.1957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0710, 37.7914, 37.0362 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(32, 186, 155)` looks like.

```
.text, #text, p{  
    color:rgb(32, 186, 155)  
}
```

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(32, 186, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 186, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0710, 37.7914, 37.0362 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(32, 186, 155) }
```



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

```
.border{ border-color:rgb(32, 186, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 186, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 186, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 186, 155);  
box-shadow:4px 4px 4px 4px rgb(32, 186,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0710, 37.7914, 37.0362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 186, 155) }
```

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

```
.background{ background-color: rgb(32, 186,  
155) }
```

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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