

Converting Colors

XYZ(23.7905, 37.9514, 36.4864)

Have a look what the booklet for
XYZ(23.7905, 37.9514, 36.4864)
contains.

XYZ(23.8342, 37.9929, 36.6490)	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(23.8342, 37.9929,
36.6490)**

Conversions

Conversions Part 1

Format	Color
Hex	11BB9A
RGB	17, 187, 154
RGB Percent	7%, 73%, 60%
CMY	0.9333, 0.2667, 0.3961
CMYK	0.91, 0.00, 0.18, 0.27
HSL	168°, 83%, 40%
HSV	168°, 91%, 73%
XYZ	23.8342, 37.9929, 36.6490
YIQ	132.4080, -90.7270, -46.3030

Conversions

Conversions Part 2

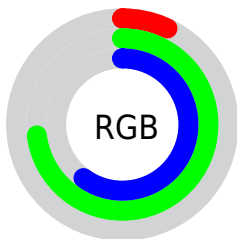
Format	Color
RYB	17, 111, 187
Decimal	1162138
CIELab	68.02, -46.84, 5.73
CIElCh	68, 47.185, 173.023
Yxy	37.9929, 0.2420, 0.3858
Android (android.graphics.Color)	4279352218 (0xFF11BB9A)
YUV	132.4080, 10.6449, -101.2128
Hunter-Lab	61.6384, -38.8452, 7.8942

Details

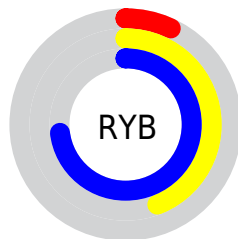
The XYZ color **23.8342, 37.9929, 36.6490** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.2710, 11.1970, 4.0597**, and the grayscale version is **22.0679, 23.2171, 25.2834**.

A 20% lighter version of the original color is **49.2153, 72.0802, 70.9935**, and **10.8357, 17.7543, 15.6878** is the 20% darker color. If you saturate the color by 10%, you get **23.3324, 37.7665, 35.2096**, and if you desaturate by 10%, it is **24.6286, 38.3679, 38.2896**.

Distribution



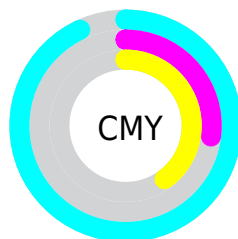
- Red (7%)
- Green (73%)
- Blue (60%)



- Red (7%)
- Yellow (44%)
- Blue (73%)



- Cyan (91%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8342, 37.9929, 36.6490 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 23.8342, 37.9929, 36.6490 by changing the saturation by 10% instead.


 23.8342, 37.9929,
36.6490


 23.8342, 37.9929,
36.6490


264.4372,
337.5895, 346.9112


 15.3347, 25.9772,
24.6422


 49.2162, 72.0973,
71.2129


 9.1425, 16.8066,
15.5941


 66.8294, 94.9547,
94.6071


 4.8921, 10.0967,
9.0861


 88.2112, 122.1948,
122.6341

 2.2182, 5.4631,
4.6998

 113.7270,
154.2020, 155.7125

 0.7523, 2.5215,
2.0166

 143.7422,
191.3607, 194.2609

 0.0000, 0.8873,
0.5655

178.6220,

 0.0000, 0.0000,

234.0552, 238.6978

0.0000

218.7319,
282.6700, 289.4417

■ 23.8342, 37.9929,
36.6490

■ 23.8342, 37.9929,
36.6490

■ 23.3324, 37.7665,
35.2096

■ 24.6286, 38.3679,
38.2896

■ 25.7709, 38.9202,
39.9938

■ 27.3093, 39.6757,
41.7651

■ 29.2831, 40.6545,
43.6057

■ 31.7271, 41.8747,
45.5177

■ 34.6725, 43.3522,
47.5029

■ 38.1476, 45.1017,
49.5631

■ 42.1788, 47.1367,
51.6998

■ 46.7905, 49.4699,
53.9146

Harmonies

Analogous

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



25.9677, 37.9929, 21.5052



23.8342, 37.9929, 36.6490



24.6157, 37.9929, 59.2778

Triad

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



23.8342, 37.9929, 36.6490



41.9177, 37.9929, 90.8417



45.2842, 37.9929, 16.7479

Complementary

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



23.8342, 37.9929, 36.6490



21.2710, 11.1970, 4.0597

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.



50.7223, 37.9929, 27.4861



23.8342, 37.9929, 36.6490



48.6020, 37.9929, 70.7588

Square

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



23.8342, 37.9929, 36.6490



34.4235, 37.9929, 95.8658



52.0121, 37.9929, 46.4752



37.8530, 37.9929, 12.8174

Rectangle

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



23.8342, 37.9929, 36.6490



26.7434, 37.9929, 75.5338



52.0121, 37.9929, 46.4752



47.4448, 37.9929, 19.4619

Sweetspot

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



23.8353, 37.9944, 36.6499



64.1422, 78.6698, 86.3374



19.2382, 36.2866, 6.5210



13.6793, 17.1002, 18.7378



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.



23.8353, 37.9944, 36.6499



41.7017, 67.6032, 62.6107



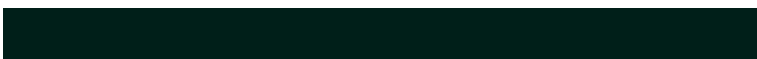
18.0065, 21.3176, 50.1810



9.7270, 10.7769, 11.8119



16.1012, 26.0308, 24.3936



0.6514, 1.0279, 1.0646

Inverse Universe

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



21.2710, 11.1970, 4.0597



37.2175, 19.1270, 4.4229



22.6634, 14.7414, 2.1818



9.6038, 9.5658, 10.3029



14.3635, 7.3766, 1.9420



0.5856, 0.2982, 0.1973

Previews

White Background



This preview shows how the XYZ color 23.8342, 37.9929, 36.6490 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 23.8342, 37.9929, 36.6490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

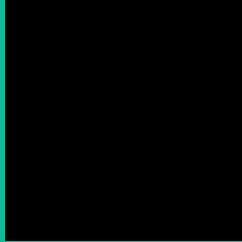
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8342, 37.9929, 36.6490

Background



This preview shows how black text looks on a background with the XYZ color 23.8342, 37.9929, 36.6490.

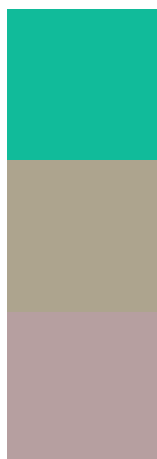


This preview shows how white text looks on a background with the XYZ color 23.8342, 37.9929,

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

23.8342, 37.9929, 36.6490

Protanopia

35.3915, 37.3881, 30.9425

Deuteranopia

38.0347, 37.2794, 38.4487



Tritanopia

28.1186, 37.8740, 58.0530

Trichromacy



Original Color

23.8342, 37.9929, 36.6490



Protanomaly

27.1433, 35.2934, 32.5758



Deuteranomaly

28.3856, 34.9821, 37.6039



Tritanomaly

26.2288, 37.6954, 49.6096

Monochromacy



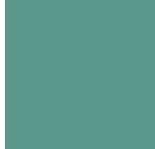
Original Color

23.8342, 37.9929, 36.6490



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.1783, 26.5236, 28.8670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8342, 37.9929, 36.6490 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(17, 187, 154)` looks like.

```
.text, #text, p{  
    color:rgb(17, 187, 154)  
}
```

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(17, 187, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 187, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.8342, 37.9929, 36.6490 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(17, 187, 154) }
```


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

```
.border{ border-color:rgb(17, 187, 154) }
```

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

Here you see how a box with a 4 pixel rgb(17, 187, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 187, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 187, 154);  
box-shadow:4px 4px 4px 4px rgb(17, 187,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8342, 37.9929, 36.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 187, 154) }
```

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

```
.background{ background-color: rgb(17, 187,  
154) }
```

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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