

Converting Colors

XYZ(23.8567, 33.3166, 32.4842)

Have a look what the booklet for
XYZ(23.8567, 33.3166, 32.4842)
contains.

XYZ(23.8710, 33.3250, 32.3684)	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(23.8710, 33.3250,
32.3684)**

Conversions

Conversions Part 1

Format	Color
Hex	59AB92
RGB	89, 171, 146
RGB Percent	35%, 67%, 57%
CMY	0.6510, 0.3294, 0.4274
CMYK	0.48, 0.00, 0.15, 0.33
HSL	162°, 33%, 51%
HSV	162°, 48%, 67%
XYZ	23.8710, 33.3250, 32.3684
YIQ	143.6320, -40.8470, -25.1590

Conversions

Conversions Part 2

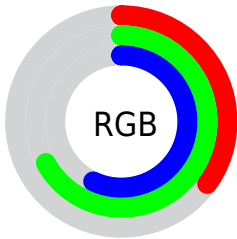
Format	Color
RYB	89, 137, 171
Decimal	5876626
CIELab	64.42, -31.19, 5.18
CIELCh	64, 31.617, 170.570
Yxy	33.3250, 0.2665, 0.3721
Android (android.graphics.Color)	4284066706 (0xFF59AB92)
YUV	143.6320, 1.1674, -47.9123
Hunter-Lab	57.7278, -27.2122, 7.1651

Details

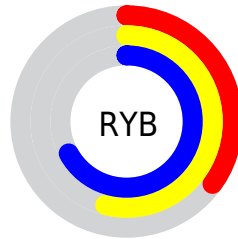
The XYZ color **23.8710, 33.3250, 32.3684** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.4053, 17.0183, 17.9719**, and the grayscale version is **26.3692, 27.7425, 30.2116**.

A 20% lighter version of the original color is **49.3960, 65.0376, 64.5936**, and **9.1548, 14.0927, 13.3040** is the 20% darker color. If you saturate the color by 10%, you get **22.0206, 32.4177, 30.2132**, and if you desaturate by 10%, it is **26.1229, 34.4388, 34.6404**.

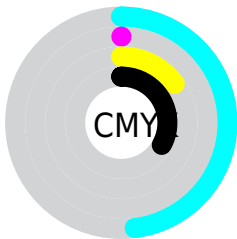
Distribution



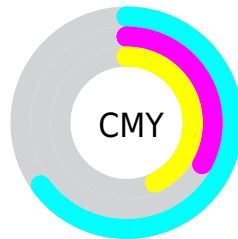
- Red (35%)
- Green (67%)
- Blue (57%)



- Red (35%)
- Yellow (54%)
- Blue (67%)



- Cyan (48%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)





- Cyan (65%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8710, 33.3250, 32.3684 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 23.8710, 33.3250, 32.3684 by changing the saturation by 10% instead.


 23.8710, 33.3250,
32.3684


 23.8710, 33.3250,
32.3684


264.6202,
317.1117, 327.3383


 15.3622, 22.3755,
21.3759

 49.2758, 64.8826,
64.4928


 9.1619, 14.1331,
13.2051


 66.9025, 86.2595,
86.4617

 4.9049, 8.2133,
7.4376


 88.2992, 111.8811,
112.9266

 2.2258, 4.2317,
3.6547

 113.8313,
142.1316, 144.3059

 0.7563, 1.8040,
1.4379

143.8641,
177.3955, 181.0182

 0.0000, 0.4897,
0.1710

178.7629,

 0.0000, 0.0000,

218.0573, 223.4820

0.0000

218.8932,
264.5012, 272.1159

■ 23.8710, 33.3250,
32.3684

■ 23.8710, 33.3250,
32.3684

■ 22.0206, 32.4177,
30.2132

■ 26.1229, 34.4388,
34.6404

■ 20.5419, 31.6991,
28.1700

■ 28.7980, 35.7678,
37.0294

■ 19.4053, 31.1548,
26.2368


■ 31.9197, 37.3248,
39.5382


■ 18.5754, 30.7665,
24.4106


■ 35.5087, 39.1205,
42.1692


■ 17.9934, 30.5040,
22.6874


■ 39.5846, 41.1649,
44.9245

 17.8852, 30.4557,
22.3463

 44.1657, 43.4675,
47.8059

 49.2694, 46.0372,
50.8156

 54.9123, 48.8826,
53.9553

 61.1101, 52.0117,
57.2269

Harmonies

Analogous

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



25.4408, 33.3250, 22.6934



23.8710, 33.3250, 32.3684



24.2334, 33.3250, 45.7232

Triad

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



23.8710, 33.3250, 32.3684



34.8180, 33.3250, 64.8376



37.5040, 33.3250, 20.2920

Complementary

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



23.8710, 33.3250, 32.3684



23.4053, 17.0183, 17.9719

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.



40.5012, 33.3250, 28.2446



23.8710, 33.3250, 32.3684



38.8512, 33.3250, 54.4433

Square

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



23.8710, 33.3250, 32.3684



30.2755, 33.3250, 66.6911



41.0163, 33.3250, 40.5060



33.1158, 33.3250, 16.8945

Rectangle

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



23.8710, 33.3250, 32.3684



25.5366, 33.3250, 54.9402



41.0163, 33.3250, 40.5060



38.7244, 33.3250, 22.4181

Sweetspot

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



23.8719, 33.3263, 32.3692



59.4465, 67.9849, 72.5284



23.4329, 33.4911, 14.6810



12.9648, 15.0149, 15.9556



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.



23.8719, 33.3263, 32.3692



39.1212, 57.9023, 53.7061



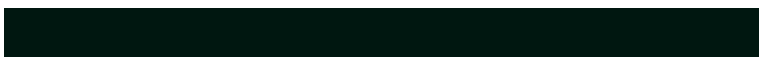
23.3544, 28.8311, 42.8637



8.1307, 9.0299, 9.7135



13.5065, 22.9679, 16.9727



0.3986, 0.6481, 0.5924

Inverse Universe

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



23.4053, 17.0183, 17.9719



38.2011, 25.0429, 24.7970



23.5524, 19.2873, 11.9331



8.1020, 8.0541, 8.8481



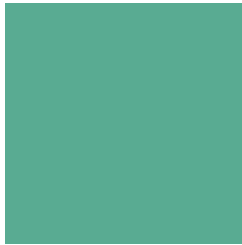
13.1513, 6.7230, 3.1760



0.3905, 0.1969, 0.2184

Previews

White Background



This preview shows how the XYZ color 23.8710, 33.3250, 32.3684 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 23.8710, 33.3250, 32.3684 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 23.8710, 33.3250, 32.3684

Background



This preview shows how black text looks on a background with the XYZ color 23.8710, 33.3250, 32.3684.

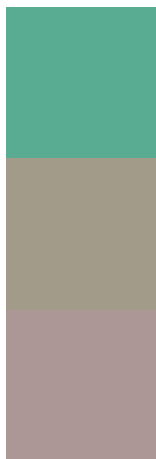


This preview shows how white text looks on a background with the XYZ color 23.8710, 33.3250,

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

23.8710, 33.3250, 32.3684

Protanopia

31.1370, 32.9302, 28.3820

Deuteranopia

33.4246, 32.7854, 33.4207



Tritanopia

27.0200, 33.2204, 48.1681

Trichromacy



Original Color

23.8710, 33.3250, 32.3684

Protanomaly

27.4702, 32.5341, 29.6428

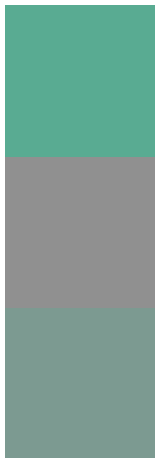
Deuteranomaly

28.8070, 32.3744, 33.1644

Tritanomaly

25.7898, 33.2653, 42.1074

Monochromacy



Original Color

23.8710, 33.3250, 32.3684

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.9786, 29.4406, 31.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8710, 33.3250, 32.3684 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(89, 171, 146)` looks like.

```
.text, #text, p{  
    color:rgb(89, 171, 146)  
}
```

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(89, 171, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 171, 146) }
```

Border

The CSS property to change the border of an element to XYZ 23.8710, 33.3250, 32.3684 is called "border". The border property can be set on classes, ids or directly on the HTML element.

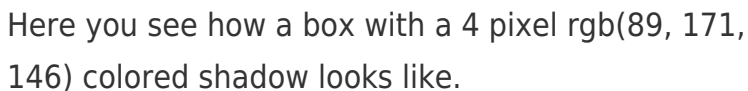
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 171, 146) }
```


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

```
.border{ border-color:rgb(89, 171, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 171, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 171, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 171, 146);  
box-shadow:4px 4px 4px 4px rgb(89, 171,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8710, 33.3250, 32.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 171, 146) }
```

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

```
.background{ background-color: rgb(89, 171,  
146) }
```

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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