

Converting Colors

XYZ(24.3423, 37.7236, 38.1806)

Have a look what the booklet for
XYZ(24.3423, 37.7236, 38.1806)
contains.

XYZ(24.2835, 37.5599, 38.3177)	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(24.2835, 37.5599,
38.3177)**

Conversions

Conversions Part 1

Format	Color
Hex	25B99E
RGB	37, 185, 158
RGB Percent	15%, 73%, 62%
CMY	0.8549, 0.2745, 0.3804
CMYK	0.80, 0.00, 0.15, 0.27
HSL	169°, 67%, 44%
HSV	169°, 80%, 73%
XYZ	24.2835, 37.5599, 38.3177
YIQ	137.6700, -79.5410, -39.7730

Conversions

Conversions Part 2

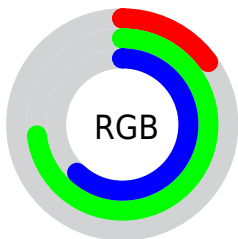
Format	Color
RYB	37, 118, 185
Decimal	2472350
CIELab	67.69, -43.49, 3.10
CIELCh	68, 43.596, 175.924
Yxy	37.5599, 0.2424, 0.3750
Android (android.graphics.Color)	4280662430 (0xFF25B99E)
YUV	137.6700, 10.0227, -88.2876
Hunter-Lab	61.2861, -36.5234, 5.8306

Details

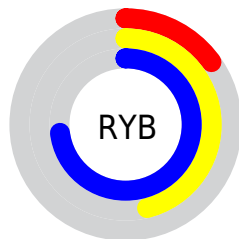
The XYZ color **24.2835, 37.5599, 38.3177** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.5959, 12.0087, 6.0318**, and the grayscale version is **24.0181, 25.2689, 27.5178**.

A 20% lighter version of the original color is **50.0690, 71.5596, 74.1243**, and **10.7701, 17.2941, 16.6804** is the 20% darker color. If you saturate the color by 10%, you get **23.4937, 37.1868, 36.7855**, and if you desaturate by 10%, it is **25.4195, 38.1124, 39.9094**.

Distribution



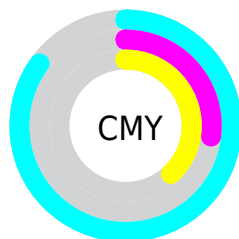
- Red (15%)
- Green (73%)
- Blue (62%)



- Red (15%)
- Yellow (46%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)





- Cyan (85%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2835, 37.5599, 38.3177 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 24.2835, 37.5599, 38.3177 by changing the saturation by 10% instead.


 24.2835, 37.5599,
38.3177


 24.2835, 37.5599,
38.3177


266.6646,
335.7283, 354.3198


 15.6699, 25.6413,
25.9256


 49.9438, 71.4331,
73.8036


 9.3803, 16.5555,
16.5427


 67.7211, 94.1564,
97.7346


 5.0491, 9.9181,
9.7505


 89.2838, 121.2502,
126.3489

 2.3112, 5.3447,
5.1304

 114.9972,
153.0987, 160.0651

 0.8004, 2.4509,
2.2639

 145.2266,
190.0863, 199.3018

 0.0000, 0.8519,
0.7109

180.3374,

 0.0000, 0.0000,

232.5976, 244.4774

0.0000

220.6950,
281.0167, 296.0106

■ 24.2835, 37.5599,
38.3177

■ 24.2835, 37.5599,
38.3177

■ 23.4937, 37.1868,
36.7855

■ 25.4195, 38.1124,
39.9094

■ 22.9560, 36.9418,
35.3056

■ 26.9434, 38.8630,
41.5605

■ 22.9558, 36.9417,
35.3049

■ 28.8942, 39.8328,
43.2738

■ 31.3052, 41.0389,
45.0513

■ 34.2066, 42.4968,
46.8947

■ 37.6257, 44.2207,
48.8056

■ 41.5881, 46.2236,
50.7855

■ 46.1174, 48.5179,
52.8357

■ 51.2360, 51.1150,
54.9577

Harmonies

Analogous

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



26.0167, 37.5599, 23.4455



24.2835, 37.5599, 38.3177



25.2787, 37.5599, 59.3351

Triad

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



24.2835, 37.5599, 38.3177



41.6618, 37.5599, 84.1111



43.4532, 37.5599, 17.2367

Complementary

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



24.2835, 37.5599, 38.3177



21.5959, 12.0087, 6.0318

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.



48.6506, 37.5599, 26.7380



24.2835, 37.5599, 38.3177



47.5285, 37.5599, 65.3781

Square

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



24.2835, 37.5599, 38.3177



34.7874, 37.5599, 90.1294



50.2279, 37.5599, 43.5882



36.6275, 37.5599, 13.9465

Rectangle

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



24.2835, 37.5599, 38.3177



27.4322, 37.5599, 73.7229



50.2279, 37.5599, 43.5882



45.4805, 37.5599, 19.6290

Sweetspot

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



24.2846, 37.5613, 38.3186



64.5753, 77.7783, 85.8874



19.8072, 35.9276, 7.6418



13.4626, 16.5363, 18.2556



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2846, 37.5613, 38.3186



41.3522, 66.2697, 63.8664



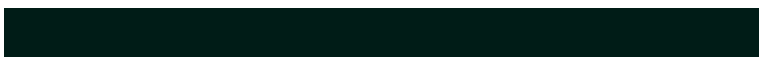
18.6289, 22.1131, 49.1870



9.1945, 10.1818, 11.1815



15.6549, 25.1629, 24.1686



0.5704, 0.8945, 0.9496

Inverse Universe

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



21.5959, 12.0087, 6.0318



36.5477, 18.9250, 4.9251



23.5029, 16.7694, 3.7491



9.0697, 9.0383, 9.7147



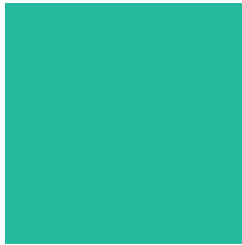
13.8376, 7.1088, 1.7654



0.5083, 0.2588, 0.1701

Previews

White Background



This preview shows how the XYZ color 24.2835, 37.5599, 38.3177 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 24.2835, 37.5599, 38.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

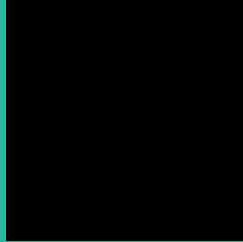
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

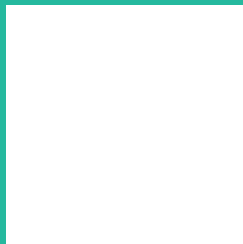
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2835, 37.5599, 38.3177

Background



This preview shows how black text looks on a background with the XYZ color 24.2835, 37.5599, 38.3177.

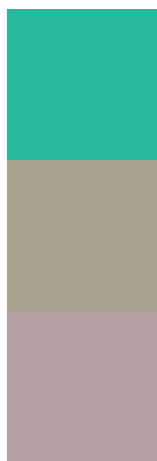


This preview shows how white text looks on a background with the XYZ color 24.2835, 37.5599,

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

24.2835, 37.5599, 38.3177

Protanopia

35.0801, 36.9276, 32.4730

Deuteranopia

37.5181, 36.7178, 40.2318



Tritanopia

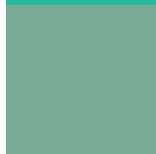
28.0455, 37.5617, 56.8109

Trichromacy



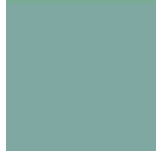
Original Color

24.2835, 37.5599, 38.3177



Protanomaly

28.0940, 35.4654, 34.2190



Deuteranomaly

29.2766, 35.1259, 39.4194



Tritanomaly

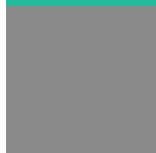
26.5366, 37.5490, 49.5651

Monochromacy



Original Color

24.2835, 37.5599, 38.3177



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.1990, 28.2537, 31.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2835, 37.5599, 38.3177 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(37, 185, 158)` looks like.

```
.text, #text, p{  
    color:rgb(37, 185, 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(37, 185, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 185, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.2835, 37.5599, 38.3177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

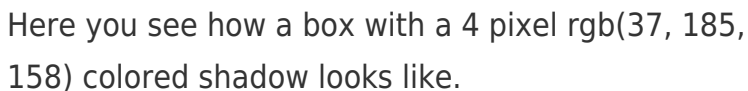
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(37, 185, 158) }
```


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

```
.border{ border-color:rgb(37, 185, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(37, 185, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 185, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 185, 158); box-shadow:4px 4px 4px 4px rgb(37, 185, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2835, 37.5599, 38.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 185, 158) }
```

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

```
.background{ background-color: rgb(37, 185,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor