

Converting Colors

XYZ(22.6603, 38.7382, 25.8973)

Have a look what the booklet for
XYZ(22.6603, 38.7382, 25.8973)
contains.

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Color

**XYZ(22.5803, 38.5399,
25.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	19BE7E
RGB	25, 190, 126
RGB Percent	10%, 75%, 49%
CMY	0.9019, 0.2549, 0.5059
CMYK	0.87, 0.00, 0.34, 0.25
HSL	157°, 77%, 42%
HSV	157°, 87%, 75%
XYZ	22.5803, 38.5399, 25.9875
YIQ	133.3690, -77.7960, -54.8840

Conversions

Conversions Part 2

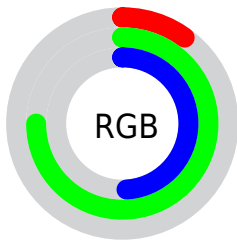
Format	Color
RYB	25, 127, 190
Decimal	1687166
CIELab	68.42, -54.19, 21.49
CIELCh	68, 58.298, 158.373
Yxy	38.5399, 0.2592, 0.4424
Android (android.graphics.Color)	4279877246 (0xFF19BE7E)
YUV	133.3690, -3.6329, -95.0396
Hunter-Lab	62.0805, -43.7158, 18.6370

Details

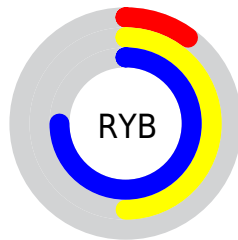
The XYZ color **22.5803, 38.5399, 25.9875** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **23.3875, 12.3648, 10.6080**, and the grayscale version is **22.4638, 23.6337, 25.7371**.

A 20% lighter version of the original color is **47.1064, 72.7193, 54.2013**, and **9.9685, 17.8497, 9.7574** is the 20% darker color. If you saturate the color by 10%, you get **21.7970, 38.1901, 23.5596**, and if you desaturate by 10%, it is **23.7127, 39.0677, 28.6164**.

Distribution



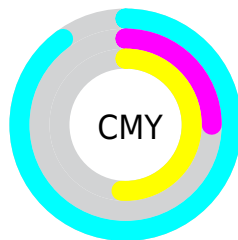
- Red (10%)
- Green (75%)
- Blue (49%)



- Red (10%)
- Yellow (50%)
- Blue (75%)



- Cyan (87%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)





- Cyan (90%)
- Magenta (25%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5803, 38.5399, 25.9875 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 22.5803, 38.5399, 25.9875 by changing the saturation by 10% instead.


 22.5803, 38.5399,
25.9875


 22.5803, 38.5399,
25.9875


258.1377,
339.9304, 296.3242


 14.4029, 26.4020,
16.5886


 47.1750, 72.9349,
54.2386


 8.4850, 17.1246,
9.7828


 64.3230, 95.9608,
73.9279

 4.4612, 10.3234,
5.1515


 85.1919, 123.3848,
97.8844

 1.9662, 5.6139,
2.2761

 110.1471,
155.5913, 126.5267

 0.6149, 2.6118,
0.7178

 139.5540,
192.9647, 160.2733

 0.0000, 0.9326,
0.0000

173.7778,

 0.0000, 0.0000,

235.8895, 199.5427

0.0000

213.1839,
284.7499, 244.7535

■ 22.5803, 38.5399,
25.9875

■ 22.5803, 38.5399,
25.9875

■ 21.7970, 38.1901,
23.5596

■ 23.7127, 39.0677,
28.6164

■ 21.5840, 38.0961,
22.8303

■ 25.2534, 39.8008,
31.4503

■ 27.2491, 40.7643,
34.4960

■ 29.7394, 41.9785,
37.7588

■ 32.7594, 43.4613,
41.2438

■ 36.3407, 45.2291,
44.9561

■ 40.5125, 47.2968,
48.9001

■ 45.3020, 49.6782,
53.0805

■ 50.7344, 52.3865,
57.5015

Harmonies

Analogous

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



26.7520, 38.5399, 13.5458



22.5803, 38.5399, 25.9875



21.8271, 38.5399, 49.7431

Triad

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



22.5803, 38.5399, 25.9875



39.2553, 38.5399, 114.2312



52.2409, 38.5399, 17.7989

Complementary

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



22.5803, 38.5399, 25.9875



23.3875, 12.3648, 10.6080

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.



56.9572, 38.5399, 35.0404



22.5803, 38.5399, 25.9875



48.6842, 38.5399, 95.2089

Square

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



22.5803, 38.5399, 25.9875



30.5175, 38.5399, 108.4589



55.5573, 38.5399, 63.4263



43.5109, 38.5399, 10.3759

Rectangle

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



22.5803, 38.5399, 25.9875



23.2205, 38.5399, 70.7766



55.5573, 38.5399, 63.4263



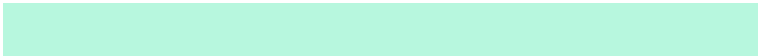
54.4093, 38.5399, 22.2725

Sweetspot

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



22.5813, 38.5414, 25.9884



66.1446, 82.1034, 81.7524



22.9049, 39.1230, 7.2646



13.9953, 17.7674, 17.4222



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.5813, 38.5414, 25.9884



38.9865, 68.9832, 40.7097



24.7362, 34.0054, 53.9769



9.6475, 10.7451, 11.3931



14.3910, 25.3467, 15.3875



0.5949, 1.0053, 0.7668

Inverse Universe

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



23.3875, 12.3648, 10.6080



40.5903, 20.6814, 12.9065



22.2223, 12.6392, 2.1887



9.6792, 9.5960, 10.6999



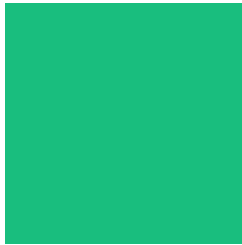
14.9714, 7.6197, 5.1430



0.6187, 0.3114, 0.3712

Previews

White Background



This preview shows how the XYZ color 22.5803, 38.5399, 25.9875 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 22.5803, 38.5399, 25.9875 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 22.5803, 38.5399, 25.9875

Background



This preview shows how black text looks on a background with the XYZ color 22.5803, 38.5399, 25.9875.

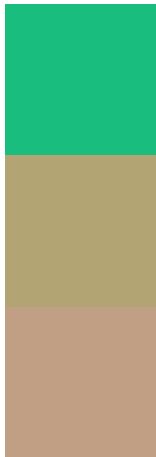


This preview shows how white text looks on a background with the XYZ color 22.5803, 38.5399,

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

22.5803, 38.5399, 25.9875

Protanopia

35.1401, 37.7318, 21.6505

Deuteranopia

38.6241, 37.8272, 27.4560



Tritanopia

28.9419, 38.2985, 58.0915

Trichromacy



Original Color

22.5803, 38.5399, 25.9875



Protanomaly

26.6342, 35.8150, 22.9620



Deuteranomaly

27.9197, 35.2667, 26.4547



Tritanomaly

25.9594, 37.9781, 44.4904

Monochromacy



Original Color

22.5803, 38.5399, 25.9875



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.2010, 27.1026, 25.2857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5803, 38.5399, 25.9875 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(25, 190, 126)` looks like.

```
.text, #text, p{  
    color:rgb(25, 190, 126)  
}
```

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(25, 190, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 190, 126) }
```

Border

The CSS property to change the border of an element to XYZ 22.5803, 38.5399, 25.9875 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(25, 190, 126) }
```


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

```
.border{ border-color:rgb(25, 190, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 190, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 190, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 190, 126);  
box-shadow:4px 4px 4px 4px rgb(25, 190,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5803, 38.5399, 25.9875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 190, 126) }
```

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

```
.background{ background-color: rgb(25, 190,  
126) }
```

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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